EGANVILLE DRINKING WATER SYSTEM - MICROBIOLOGICAL ANALYSIS										
	RAW WATER			TREATED WATER			DISTRIBUTION SYSTEM			
		TOTAL COLIFORMS (TC)	ESCHERICHIA COLI (EC)	TOTAL COLIFORMS (TC)	ESCHERICHIA COLI (EC)	HETEROPHIC PLATE COUNT (HPC)		TOTAL COLIFORMS (TC)	ESCHERICHIA COLI (EC)	HETEROPHIC PLATE COUNT (HPC)
MONTH	NUMBER OF SAMPLES COLLECTED	RANGE OF RESULTS CFU/100 ml	RANGE OF RESULTS CFU/100 ml	RANGE OF RESULTS CFU/100 ml	RANGE OF RESULTS CFU/100 ml	RANGE OF RESULTS Colonies /1 ml	NUMBER OF SAMPLES COLLECTED	RANGE OF RESULTS CFU/100 ml	RANGE OF RESULTS CFU/100 ml	RANGE OF RESULTS Colonies /1 ml
JANUARY	4	4 -- 12	0 -- 0	0 -- 0	0 -- 0	<2 -- 6	12	0 -- 0	0 -- 0	<2 -- 10
FEBRUARY	4	2 -- 12	1 -- 2	0 -- 0	0 -- 0	<2 -- <2	12	0 -- 0	0 -- 0	<2 -- 2
MARCH	5	2 -- 22	1 -- 6	0 -- 0	0 -- 0	<2 -- 2	15	0 -- 0	0 -- 0	<2 -- <2
APRIL	4	2 -- 18	1 -- 6	0 -- 0	0 -- 0	<2 -- 2	12	0 -- 0	0 -- 0	<2 -- 2
MAY	5	2 -- 34	1 -- 14	0 -- 0	0 -- 0	<2 -- <2	15	0 -- 0	0 -- 0	<2 -- 6
JUNE	4	8 -- 58	1 -- 12	0 -- 0	0 -- 0	<2 -- 2	17	0 -- 0	0 -- 0	<2 -- 4
JULY	4	14 - 28	1 -- 10	0 -- 0	0 -- 0	<2 -- 2	16	0 -- 0	0 -- 0	<2 -- 2
AUGUST	5	20 - 56	5 -- 16	0 -- 0	0 -- 0	<2 - 12	20	0 -- 0	0 -- 0	<2 -- 4
SEPTEMBER	4	30 - 52	3 -- 14	0 -- 0	0 -- 0	<2 -- <2	18	0 -- 0	0 -- 0	<2 -- 2
OCTOBER	4	16 - 34	2 -- 12	0 -- 0	0 -- 0	<2 -- <2	12	0 -- 0	0 -- 0	<2 -- 4
NOVEMBER	5	10 -- 20	1 -- 4	0 -- 0	0 -- 0	<2 -- <2	15	0 -- 0	0 -- 0	<2 -- 4
DECEMBER	4	4 -- 20	1 -- 4	0 -- 0	0 -- 0	<2 -- <2	12	0 -- 0	0 -- 0	<2 -- 6
TOTAL	52						176			

*CFU/100ml is Colony Forming Units per 100 millilitres

EGANVILLE DRINKING WATER SYSTEM										
	TREATED WATER FLOW			PROCESS WASTE WATER	TREATED WATER DISINFECTION			DISTRIBUTION SYSTEM DISINFECTION		
MONTH	AVERAGE DAY m^3	MAXIMUM DAY m^3	MONTHLY TOTAL m^3	MONTHLY TOTAL m^3	NUMBER OF SAMPLES COLLECTED	RANGE OF TOTAL CHLORINE RESIDUAL (mg/l)	RANGE OF FREE CHLORINE RESIDUAL (mg/l)	NUMBER OF SAMPLES COLLECTED	RANGE OF TOTAL CHLORINE RESIDUAL (mg/l)	RANGE OF FREE CHLORINE RESIDUAL (mg/l)
JANUARY	492	602	15249	3354	8760	1.89 - 2.48	1.71 - 1.94	43	1.43 - 2.46	1.05 - 2.20
FEBRUARY	451	593	13066	2427	8760	1.92 - 2.21	1.56 - 2.30	40	1.45 - 2.21	1.02 - 2.02
MARCH	460	624	14262	3169	8760	1.88 - 3.06	1.39 - 2.60	46	1.45 - 2.21	0.77 -2.00
APRIL	451	551	13517	2631	8760	1.91 - 2.92	1.53 - 2.26	42	1.45 - 2.20	0.98 - 2.10
MAY	483	577	14966	2755	8760	1.87 - 2.60	1.71 - 2.40	46	1.47 - 2.20	0.75 - 2.11
JUNE	478	557	14328	2665	8760	1.76 - 2.60	1.71 - 2.39	47	1.17 - 2.04	0.75 - 1.80
JULY	432	519	13399	2439	8760	1.90 - 2.49	1.62 - 2.42	47	1.13 - 2.11	0.60 -1.86
AUGUST	477	581	14800	2476	8760	1.79 - 2.60	1.71 - 2.44	51	1.21 - 2.16	0.69 - 1.98
SEPTEMBER*	557	799	16179	3404	8760	2.20 - 2.66	1.79 - 2.59	48	1.39 - 2.53	0.96 - 2.20
OCTOBER	552	731	17119	2850	8760	2.19 - 2.73	1.78 - 2.37	43	1.74 - 2.20	0.85 - 2.05
NOVEMBER**	549	813	16463	3215	8760	2.04 - 2.43	1.34 - 2.44	45	1.14 - 2.01	1.00 - 1.80
DECEMBER	446	538	13825	3285	8760	1.74 - 2.63	1.48 - 2.44	43	1.04 - 2.20	0.84 - 2.00
TOTAL			**177173**	**34670**	**105120**			**541**		
AVERAGE	486	624	14764	2889		Min: 1.74	Min: 1.34		Min: 1.04	Min: 0.60
		Max: 813				Max: 3.06	Max: 2.60		Max: 2.53	Max: 2.20

SEPTEMBER* Recorded flows for September were skewed due to the Bruce Street Standpipe being down for inspection and maintenance from September 19th to the 29th. During this time the pressure was maintained in the distribution system by having the high lift pumps run continuously and by bleeding off excess water back into the high lift well. The bleed off is controlled by a pressure relief valve set at 650 kpa. The flow meter is installed before the bleed off valve accounting for the excessive flow numbers. Recorded flows based on the flow meter are: Average Day 688, Maximum Day 1148, Monthly Total 20635, Calculated flows are shown based on raw water flows and 18% process waste water usage. See 'September Flow Corrections' tab for calculations.

NOVEMBER** Maximum Day of 813 m^3 occurred on November 1st due to water service repair work on Bonnechere St. W. resulting in higher than normal flow rates.

EGANVILLE WATER TREATMENT PLANT - TREATED WATER - CHEMICAL ANALYSIS									
	TREATED WATER FLUORIDE			TREATED WATER NITRITE			TREATED WATER NITRATE		
MONTH	NUMBER OF SAMPLES COLLECTED	MONTHLY AVERAGE mg/l	MONTHLY MAXIMUM mg/l	NUMBER OF SAMPLES COLLECTED	MONTHLY AVERAGE mg/l	MONTHLY MAXIMUM mg/l	NUMBER OF SAMPLES COLLECTED	MONTHLY AVERAGE mg/l	MONTHLY MAXIMUM mg/l
JANUARY	1	<0.1	<0.1	1	<0.1	<0.1	1	0.1	0.1
FEBRUARY									
MARCH									
APRIL				1	<0.1	<0.1	1	0.1	0.1
MAY									
JUNE									
JULY				1	<0.1	<0.1	1	0.1	0.1
AUGUST									
SEPTEMBER									
OCTOBER				1	<0.1	<0.1	1	0.1	0.1
NOVEMBER									
DECEMBER									
TOTAL	1			4			4		
AVERAGE		<0.1			<0.1			0.1	
MAXIMUM			<0.1			<0.1			0.1
ODWQS*			1.5 mg/l			1.0 mg/l			10.0 mg/l

ODWQS - ONTARIO DRINKING WATER QUALITY STANDARD, ONT. REG. 169/03

EGANVILLE WATER TREATMENT PLANT - TREATED WATER - SCHEDULE 23 - INORGANIC PARAMETERS										
SAMPLE DATE:		Jan.27,2016								
PARAMETER		RESULT mg/l	ODWQS* mg/l							
Antimony	Jan.27,2016	<0.0001	0.006							
Arsenic	Jan.27,2016	0.0001	0.025							
Barium	Jan.27,2016	0.024	1							
Boron	Jan.27,2016	<0.005	5							
Cadmium	Jan.27,2016	<0.00002	0.005							
Chromium	Jan.27,2016	<0.002	0.05							
Mercury	Jan.27,2016	<0.00002	0.001							
Selenium	Jan.27,2016	<0.001	0.01							
Uranium	Jan.27,2016	<0.00005	0.02							

EGANVILLE WATER TREATMENT PLANT - TREATED WATER - DISTRIBUTION SYSTEM - TRIHALOMETHANE									
PARAMETER	Jan.27,2016		Apr.19,2016		Jul.26,2016		Oct.25,2016		
	RESULTS ug/l		RESULTS ug/l		RESULTS ug/l		RESULTS ug/l		
Chloroform	32.7		47.6		85.4		57.3		
Bromodichloromethane	0.8		1.5		2.6		1.6		
Dibromochloromethane	<0.1		<0.1		<0.1		<0.1		
Bromoform	<0.1		<0.1		<0.1		<0.1		
Total Trihalomethane	33.4		49.2		88		58.9		
Annual Running Average	43.9		60.9		61.7		60.0		

ODWQS - ONTARIO DRINKING WATER QUALITY STANDARD, ONT. REG. 169/03

EGANVILLE WATER TREATMENT PLANT - TREATED WATER - SCHEDULE 24 - ORGANIC PARAMETERS							
SAMPLE DATE:	Jan.27,2016	RESULT	ODWQS			RESULT	ODWQS
PARAMETER		ug/l	ug/l		PARAMETER	ug/l	ug/l
Alachlor		<0.3	5		Diquat	<5	70
Atrazine + N-dealkylated metabolites		<0.5	5		Diuron	<5	150
Azinphos-methyl		<1	20		Glyphosate	<25	280
Benzene		<0.5	5		Malathion	<5	190
Benzo(a)pyrene		<0.005	0.01		Metolachlor	<3	50
Bromoxynil		<0.3	5		Metribuzin	<3	80
Carbaryl		<3	90		Monochlorobenzene	<0.2	80
Carbofuran		<1	90		Paraquat	<1	10
Carbon Tetrachloride		<0.2	5		Pentachlorophenol	<0.1	60
Chlorpyrifos		<0.5	90		Phorate	<0.3	2
Diazinon		<1	20		Picloram	<5	190
Dicamba		<5	120		Polychlorinated Biphenyls (PCB)	<0.05	3
1,2-Dichlorobenzene		<0.1	200		Prometryne	<0.1	1
1,4-Dichlorobenzene		<0.2	5		Simazine	<0.5	10
1,2-dichloroethane		<0.1	5		Terbufos	<0.3	1
1,1-Dichloroethylene (vinylidene chloride)		<0.1	14		Tetrachloroethylene (perchloroethylene)	<0.2	30
Dichloromethane		<0.3	50		2,3,4,6-Tetrachlorophenol	<0.1	100
2,4-Dichlorophenol		<0.1	900		Triallate	<10	230
2,4-Dichlorophenoxy acetic acid (2,4-D)		<5	100		Trichloroethylene	<0.1	5
Diclofop-methyl		<0.5	9		2,4,6-Trichlorophenol	<0.1	5
Dimethoate		<1	20		Trifluralin	<0.5	45
					Vinyl Chloride	<0.2	2

EGANVILLE WATER TREATMENT PLANT - OPERATIONAL DATA - MONTHLY AVERAGES										
	pH		**ALKALINITY**		**CONDUCTIVITY**		COLOUR		TEMPERATURE	
			mg/l $CaCo_3$		umhos/cm		TCU		C^O	
MONTH	RAW	TREATED	RAW	TREATED	RAW	TREATED	RAW	TREATED	RAW	TREATED
JANUARY	7.41	6.97	41	29	123	145	10	2	1.5	3.1
FEBRUARY	7.40	7.03	44	32	129	149	10	2	1.8	2.8
MARCH	7.40	7.05	50	37	142	158	11	2	2.9	4.2
APRIL	7.44	7.07	47	34	128	149	13	1	6.7	8.2
MAY	7.36	6.93	40	28	110	136	20	1	14.7	14.6
JUNE	7.56	7.05	42	29	123	145	19	1	21.3	20.5
JULY	7.63	7.06	42	28	113	148	18	1	23.8	22.8
AUGUST	7.61	7.06	42	27	115	147	16	2	23.7	23.5
SEPTEMBER	7.67	7.26	44	33	117	153	14	2	20.2	20.9
OCTOBER	7.64	7.18	43	32	130	159	12	1	12.9	13.8
NOVEMBER	7.72	7.17	38	30	118	140	11	1	5.9	7.8
DECEMBER	7.43	7.13	38	29	125	149	12	1	2.5	4.8
AVERAGE	7.52	7.08	43	31	123	148	14	1	11.5	12.3

EGANVILLE WATER TREATMENT PLANT - OPERATIONAL DATA - PROCESS CHEMICAL USAGE							
MONTH	RAW WATER FLOW	SODIUM HYPOCHORITE		PAS-8		POLYMER	
	m^3	Kg Used	Dosage mg/l	Kg Used	Dosage mg/l	Kg Used	Dosage mg/l
JANUARY	18,603	95.22	5.12	1032.40	55.50	3.53	0.19
FEBRUARY	15,493	78.04	5.04	808.04	52.16	2.94	0.19
MARCH	17,431	91.32	5.24	953.02	54.67	6.28	0.36
APRIL	16,148	91.32	5.66	884.91	54.80	5.81	0.36
MAY	17,721	112.86	6.37	1003.60	56.63	6.30	0.36
JUNE	16,993	135.78	7.99	1011.77	59.54	5.78	0.34
JULY	15,838	135.04	8.53	933.03	58.91	5.38	0.34
AUGUST	17,276	148.14	8.57	932.40	53.97	5.87	0.34
SEPTEMBER	20,123	169.98	8.45	1041.00	51.73	6.84	0.34
OCTOBER	19,969	138.78	6.95	1037.40	51.95	6.59	0.33
NOVEMBER	19,678	112.56	5.72	878.03	44.62	5.14	0.26
DECEMBER	17,110	95.28	5.57	793.67	46.39	3.69	0.22
TOTAL	212383	1404.32		11309.27		64.15	
AVERAGE		117.03	6.60	942.44	53.41	5.35	0.30

EGANVILLE WATER TREATMENT PLANT - OPERATIONAL DATA - TURBIDITY																
MONTH	RANGE OF WEEKLY GRAB SAMPLES (NTU)				RANGE OF TURBIDITY FROM CONTINUOUS RECORDING METERS (NTU)											
	RAW		TREATED		Filter 1A		Filter 1B		Filter 2A		Filter 2B		GAC Filter 1		GAC Filter 2	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
JANUARY	0.44	0.90	0.06	0.20	0.01	0.24	0.04	0.28	0.00	0.06	0.01	0.09	0.00	0.31	0.00	0.16
FEBRUARY	0.42	0.60	0.05	0.20	0.07	0.07	0.02	0.25	0.02	0.30	0.01	0.41	0.00	0.38	0.00	0.13
MARCH	0.41	1.30	0.05	0.60	0.01	0.28	0.02	0.23	0.00	0.32	0.01	0.73	0.01	0.33	0.00	0.12
APRIL	0.50	0.80	0.05	0.30	0.01	0.28	0.02	0.31	0.00	0.28	0.01	0.55	0.00	0.58	0.00	0.12
MAY	0.30	0.80	0.05	0.20	0.01	0.28	0.01	0.39	0.01	0.29	0.01	0.33	0.00	0.83	0.01	0.29
JUNE	0.30	1.30	0.07	0.30	0.01	0.28	0.03	0.29	0.01	0.28	0.01	0.25	0.01	0.78	0.01	0.22
JULY	0.84	1.20	0.07	0.20	0.01	0.29	0.02	0.29	0.00	0.28	0.01	0.28	0.00	0.48	0.01	0.43
AUGUST	0.56	1.00	0.07	0.30	0.01	0.29	0.05	0.28	0.01	0.28	0.01	0.28	0.00	0.80	0.05	0.37
SEPTEMBER	0.51	0.79	0.06	0.30	0.01	0.29	0.05	0.28	0.00	0.28	0.01	0.28	0.00	1.15	0.01	0.41
OCTOBER	0.44	1.00	0.06	0.30	0.01	0.29	0.00	0.60	0.00	0.28	0.01	0.37	0.00	0.21	0.01	0.30
NOVEMBER	0.41	1.10	0.06	0.20	0.01	0.28	0.02	0.81	0.00	0.29	0.01	0.29	0.00	1.05	0.00	0.31
DECEMBER	0.40	0.90	0.06	0.30	0.01	0.14	0.02	0.30	0.01	0.18	0.01	0.28	0.00	0.99	0.00	0.36
Yearly Min / Max	0.30	1.30	0.05	0.60	0.01	0.29	0.00	0.81	0.00	0.32	0.01	0.73	0.00	1.15	0.00	0.43

NOTE: THIS IS A FLOW CORRECTED SHEET FOR SEPTEMBER 19TH TO THE 29TH, 2016 DUE TO THE BRUCE STREET STANDPIPE BEING OFF-LINE FOR INSPECTION AND MAINTENANCE.

September . 2016	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		Total	Avg	Max
Flows																																		
Raw Water m3/Day	573	529	601	578	616	578	596	580	584	626	623	628	611	673	711	631	640	677	692	705	831	974	927	903	833	680	645	640	650	588		20,123	671	974
Treated Water																																		
Plant Effluent m3/Day	493	445	509	451	506	543	440	448	483	556	467	593	546	571	602	537	534	529	567	578	681	799	760	740	683	558	529	525	533	513		16,719	557	799
Raw Water Chemical																																		
Hardness mg/L																																		
Alkalinity mg/L	43	47				45	45	51	49			44	42	42	44	45			40	40	41	46	44			40	44	41	43	42			44	51
PH	7.56	7.65				7.83	7.77	7.71	7.68			7.68	7.60	7.59	7.66	7.75			7.63	7.61	7.51	7.67	7.54			7.72	7.67	7.84	7.70	7.77			7.67	7.84
Conductivity													117														116						117	117
Sodium mg/L																																		
Nitrite mg/L																																		
Nitrate mg/L																																		
Turbidity Ftu							0.786						0.70							0.51							0.70						0.67	0.79
Colour Hazen Units	14	16				15	13	14	15			14	16	14	13	12			14	15	15	13	14			14	16	13	13	11			14	16
Temperature C	22.6	21.5				21.3	22.2	22.8	22.5			21.5	20.9	21.2	20.2	19.6			19.9	20.8	20.3	21.7	21.6			17.7	16.5	16.5	16.7	16.8			20.2	22.8
Raw Water - Bacteria count for each Sample																																		
Total Coliform						52							34							30							32						37	52
E- Coli						14							4							3							2						6	14

Disinfection																																		
Pre Chlorine Litres Used	7	6	6	6	6	7	7	7	6	6	6	7	9	7	9	7	7	7	7	9	11	9	10	10	10	9	7	7	9	7		228	8	11
Pre Chlorine Kg Used	0.42	0.36	0.36	0.36	0.36	0.42	0.42	0.42	0.36	0.36	0.36	0.42	0.54	0.42	0.54	0.42	0.42	0.42	0.42	0.54	0.66	0.54	0.60	0.60	0.60	0.54	0.42	0.42	0.54	0.42		13.68	0.46	0.66
Pre Chlorine Dose mg/l	0.73	0.68	0.60	0.62	0.58	0.73	0.70	0.72	0.62	0.58	0.58	0.67	0.88	0.62	0.76	0.67	0.66	0.62	0.61	0.77	0.79	0.55	0.65	0.66	0.72	0.79	0.65	0.66	0.83	0.71			0.68	0.88
Pre Chlorine Residual	0.01	0.01	0.02	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.02	0.01	0.02	0.01			0.01	0.02
Post Chlorine Litres Used	78	77	77	77	77	78	82	80	79	79	79	84	93	91	107	88	88	88	84	87	115	109	106	106	106	80	78	78	82	72		2,605	87	115
Post Chlorine Kg Used	4.68	4.62	4.62	4.62	4.62	4.68	4.92	4.80	4.74	4.74	4.74	5.04	5.58	5.46	6.42	5.28	5.28	5.28	5.04	5.22	6.90	6.54	6.36	6.36	6.36	4.80	4.68	4.68	4.92	4.32		156.30	5.21	6.90
Post Chlorine Dose mg/l	8.17	8.73	7.69	7.99	7.50	8.10	8.26	8.28	8.12	7.57	7.61	8.03	9.13	8.11	9.03	8.37	8.25	7.80	7.28	7.40	8.30	6.71	6.86	7.04	7.64	7.06	7.26	7.31	7.57	7.35			7.82	9.13
Minimum Cl-2 Residual	2.07	2.11	2.13	2.12	1.80	1.79	2.22	2.21	2.23	2.14	2.11	1.90	1.89	1.90	2.00	2.03	2.01	2.01	2.01	2.11	2.11	2.04	2.23	2.22	2.18	2.15	2.09	2.08	2.12	2.15			2.07	2.23
Average Cl-2 Residual	2.19	2.20	2.21	2.20	2.05	2.22	2.30	2.31	2.37	2.27	2.18	2.04	1.98	2.02	2.08	2.10	2.09	2.07	2.14	2.14	2.21	2.26	2.29	2.30	2.27	2.20	2.17	2.18	2.20	2.25			2.18	2.37
Maximum Cl-2 Residual	2.33	2.31	2.30	2.29	2.23	2.59	2.48	2.44	2.52	2.38	2.28	2.22	2.09	2.16	2.19	2.18	2.16	2.15	2.32	2.32	2.45	2.47	2.50	2.52	2.44	2.40	2.44	2.36	2.32	2.35			2.34	2.59
Water Plant Effluent Bacteria																																		
E - Coli Present																																		
E - Coli Absent						1							1							1							1						1	1
Total Coliform Present																																		
Total Coliform Absent						1							1							1							1						1	1
H. P. C. cfu/ml						1=<2							1=<2							1=2							1=<2						<2	<2

Distribution System																																		
Chlorine Residual mg/l	1.14	1.10	1.22	1.21	1.10	1.36	1.21	1.17	1.34	1.10	0.96	1.34	1.11	1.24	1.45	1.31	1.51	1.42	1.55	1.49	1.29	1.32	1.36	1.24	1.18	1.16	1.08	1.23	1.27	1.16			1.25	1.55
Minimum Mg/l																																		
Maximum Mg/l																																		
Average Mg/l																																		
Distrbution System (Bacterilogical) Indicate #of samples in each class																																		
E-Coli - Present																																		
- Absent						4							4							4						1	5						4	5
Total Coliform - Present																																		
- Absent						4							4							4						1	5						4	5
H. P. C. cfu/ml						4=<2							4=<2							4=<2						1=2	2=<2,3=2						<2	2

Process Chemicals																																		
Phas Liquid (litres)	45	49	49	49	49	50	50	50	50	50	50	55	55	50	60	53	53	53	55	60	75	75	72	72	72	55	50	55	55	50		1,666	56	75
Phas (Solid) Kg	28.12	30.62	30.62	30.62	30.62	31.25	31.25	31.25	31.25	31.25	31.25	34.37	34.37	31.25	37.50	33.12	33.12	33.12	34.37	37.50	46.87	46.87	45.00	45.00	45.00	34.37	31.25	34.37	34.37	31.25		1,041.1	34.70	46.87
Phas Dosage Mg/l	49.08	57.89	50.95	52.98	49.71	54.06	52.43	53.87	53.50	49.91	50.16	54.73	56.25	46.43	52.74	52.49	51.75	48.92	49.67	53.19	56.40	48.12	48.54	49.83	54.02	50.55	48.44	53.71	52.88	53.14			51.88	57.89

Polymer Kg	0.19	0.18	0.20	0.20	0.21	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.23	0.24	0.21	0.22	0.23	0.24	0.24	0.28	0.33	0.32	0.31	0.28	0.23	0.22	0.22	0.22	0.20		6.84	0.23	0.33
Polymer Dosage Mg/l	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34			0.34	0.34
Treated Water Chemical																																		
Alkalinity Mg/l	30	32				36	35	37	35			35	43	34	31	33			34	33	30	30	29			31	40	32	32	31			33	43
PH	7.16	7.16				7.28	7.22	7.32	7.32			7.34	7.35	7.29	7.26	7.29			7.24	7.21	7.19	7.13	7.23			7.22	7.26	7.36	7.33	7.20			7.26	7.36
Conductivity umhos/cm													156														150						153	156
Nitrite Mg/l																																		
Nitrate Mg/l																																		
Aluminum Mg/l						0.009						0.019							0.009							0.014							0.013	0.019
THM,s in Distribution																																		
Treated Water (Physical)																																		
Average Colour Hazen Units	1	2				1	1	1	1			1	10	1	1	1			1	1	1	4	2			2	5	2	1	1			2	10
Temperature C	23.4	23.2				21.6	21.8	21.7	21.4			23.2	22.5	21.4	21.6	20.8			19.7	20.5	21.1	21.3	21.2			19.4	19.1	18.0	18.3	17.3			20.9	23.4
TURB. Ntu							0.087						0.30							0.06							0.20						0.16	0.30
Filtration																																		
Online Analyzers Turbidity > .3 = 95 %	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100			100	100
No: of Filters Used	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			8	8
Process Water																			Draining standpipe for inspection															
Volume M3/Day	80	84	92	127	110	35	156	132	101	70	156	35	65	102	109	94	106	148	125	127	150	175	167	163	150	122	116	115	117	75		3,404	113	175
% of Flow Per Day	13.96	15.88	15.31	21.97	17.86	6.06	26.17	22.76	17.29	11.18	25.04	5.57	10.64	15.16	15.33	14.90	16.56	21.86	18.06	18.01	18.05	17.97	18.02	18.05	18.01	17.94	17.98	17.97	18.00	12.76			16.81	26.17

September	19	20	21	22	23	24	25	26	27	28	29
Raw Water m^3/Day	692	705	831	974	927	903	833	680	645	640	650
Treated Water Flow using Flow Meter Record	709	984	1,148	1,012	1,103	1,134	1,030	1,019	1,043	932	755
Treated Water Flow Calculated using 18% Process Waste Water	567	578	681	799	760	740	683	558	529	525	533