

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	40 -- 130	1 -- 4	0	0	2--2	12	0	0	2--2
FEBRUARY	4	20 -- 70	1 -- 6	0	0	2--2	12	0	0	2--2
MARCH	4	40 -- 1400	1 -- 13	0	0	2--2	12	0	0	2--2
APRIL	5	20 -- 120	1 -- 5	0	0	2--2	15	0	0	2--2
MAY	4	160 -- 230	4 -- 12	0	0	2--2	12	0	0	2--2
JUNE	5	100 --230	11 --78	0	0	2--2	17	0	0	2--2
JULY	4	60 -- 190	26 -- 42	0	0	2--2	16	0	0	2--2
AUGUST	4	90 -- 160	25 -- 49	0	0	2--2	16	0	0	2--2
SEPTEMBER	5	40 -- 50	0 -- 22	0	0	2--4	15	0	0	2--2
OCTOBER	4	60 -- 150	12 -- 46	0	0	2--2	12	0	0	2--2
NOVEMBER	4	40 -- 280	7 -- 11	0	0	2--4	12	0	0	2--2
DECEMBER	5	24 -- 110	2 -- 7	0	0	2--2	15	0	0	2--2
TOTAL	52						166			
ODWQS*				0	0	500		0	0	500

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

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

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	536.4	629.4	16629.7	3088.4	4	1.81 - 2.04	1.60 - 1.78	46	0.87 - 1.67	0.68 - 1.45
FEBRUARY	403.9	481.3	11310.2	2731.0	4	1.75 - 2.18	1.55 - 1.96	40	0.73 - 1.83	0.60 - 1.62
MARCH	395.1	507.5	12249.4	2177.3	4	1.63 -- 2.18	1.47 -- 1.97	43	0.60 - 1.66	0.48 - 1.44
APRIL	373.8	474.3	11214.9	2389.1	5	1.54 -- 2.29	1.31 -- 2.25	45	0.60 -- 2.04	0.50 -- 1.84
MAY	392.9	754.4	12179.7	3351.8	4	1.67 -- 2.74	1.47 -- 2.43	43	0.41 -- 2.40	0.30 -- 1.92
JUNE	471.2	608.8	14137.1	3502.5	5	1.82 -- 2.55	1.72 -- 2.36	48	0.59 - 2.45	0.48 - 2.08
JULY	454.7	576.1	14095.1	3364.9	4	1.62 -- 1.68	1.53 -- 1.58	47	0.50 - 1.50	0.42 - 1.40
AUGUST	458.2	670.3	14203.7	4352.7	4	1.76 -- 2.24	1.63 -- 2.07	47	0.54 -- 1.57	0.48 -- 1.55
SEPTEMBER	477.9	597.4	14337.2	3843.3	5	1.76 -- 2.08	1.60 -- 1.92	45	0.50 -- 1.68	0.42 -- 1.57
OCTOBER	481.1	553.4	14913.2	3933.1	4	1.74 -- 2.20	1.56 -- 2.00	43	0.55 -- 1.77	0.46 -- 1.68
NOVEMBER	496.9	587.1	14906.9	3789.1	4	1.64 -- 2.28	1.51 -- 2.10	42	0.45 -- 2.02	0.37 -- 1.81
DECEMBER	537.5	841.8	16663.0	4109.1	5	1.39 -- 1.92	1.55 -- 2.04	46	0.57 -- 1.96	0.47 -- 1.79
TOTAL			166840	40632	52			535		
AVERAGE	456.6	606.8	13903.3	3386.0						
MIN - MAX		841.8				1.39 -- 2.74	1.31 -- 2.43		0.41 -- 2.45	0.30 -- 2.08
ODWQS*							0.05 - 4.0			0.05 - 4.0

EGANVILLE DRINKING WATER SYSTEM										
TREATED WATER - SCHEDULE 23 - INORGANIC PARAMETERS				DISTRIBUTION SYSTEM - HALOACETIC ACIDS (HAA's)						
SAMPLE DATE:	Jan.21/25			SAMPLE DATE:	Jan. 21/25	Apr.22/25	Jul.22/25	Oct.21/25		
PARAMETER	RESULT mg/l	ODWQS* mg/l		PARAMETER	RESULT ug/l	RESULT ug/l	RESULT ug/l	RESULT ug/l		
Antimony	<0.0001	0.006		Monochloroacetic Acid	4.7	3.5	2	2.3		
Arsenic	<0.0001	0.01		Bromoacetic Acid	2.9	2	2	2		
Barium	0.029	1		Dichloroacetic Acid	20.1	27.6	20.5	27.4		
Boron	<0.005	5		Dibromoacetic Acid	2	2	2	2		
Cadmium	<0.000015	0.005		Trichloroacetic Acid	29.1	41.3	14.3	31		
Chromium	<0.0010	0.05		Total Haloacetic Acid	49.2	74	36.3	62.5		
Mercury	<0.00002	0.001								
Selenium	<0.001	0.001								
Uranium	<0.00005	0.02		Running Annual Average (RAA)	59.4	66.9	55.0	56.6		
				ODWQS* RAA 80 ug/l						
DISTRIBUTION SYSTEM - TRIHALOMETHANE (THM's)					TREATED WATER - CHEMICAL ANALYSIS					
SAMPLE DATE	Jan.21/25	Apr.22/25	Jul.22/25	Oct.21/25		Jan.21/25	Apr.22/25	Jul.22/25	Oct.21/25	
PARAMETER	RESULT ug/l	RESULT ug/l	RESULT ug/l	RESULT ug/l	PARAMETER	RESULT mg/l	RESULT mg/l	RESULT mg/l	RESULT mg/l	ODWQS* mg/l
Chloroform	42	75	30	42	Nitrate	0.06	0.05	0.05	0.05	10.0
Bromodichloromethane	2	2	2	2	Nitrite	0.05	0.05	0.05	0.05	1.0
Dibromochloromethane	2	2	2	2						
Bromoform	5	5	5	5	Flouride	<0.1				1.5
Total Trihalomethane	43	77	33	44	Sodium	9.4				200
Running Annual Average (RAA)	67.3	72.8	55.8	49.3	Lead	0.00013				
ODWQS* RAA 100 ug/l										

EGANVILLE DRINKING WATER SYSTEM - TREATED WATER - SCHEDULE 24 - ORGANIC PARAMETERS							
SAMPLE DATE:	Jan.21/25	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	1		Malathion	<5	190
Benzo(a)pyrene		<0.006	0.01		2-Methyl-4-chlorophenoxyacetic acid (MCPA)	<0.10	100
Bromoxynil		<0.5	5		Metolachlor	<3	50
Carbaryl		<3	90		Metribuzin	<3	80
Carbofuran		<1	90		Chlorobenzene	<0.5	80
Carbon Tetrachloride		<0.2	2		Paraquat	<1	10
Chlorpyrifos		<0.5	90		Pentachlorophenol	<0.2	60
Diazinon		<1	20		Phorate	<0.3	2
Dicamba		<1	120		Picloram	<5.0	190
1,2-Dichlorobenzene		<0.5	200		Polychlorinated Biphenyls (PCB)	<0.05	3
1,4-Dichlorobenzene		<0.5	5		Prometryne	<0.1	1
1,2-Dichloroethane		<0.5	5		Simazine	<0.5	10
1,1-Dichloroethylene (vinylidene chloride)		<0.5	14		Terbufos	<0.5	1
Dichloromethane		<0.5	50		Tetrachloroethylene (perchloroethylene)	<0.5	10
2,4-Dichlorophenol		<0.2	900		2,3,4,6-Tetrachlorophenol	<0.2	100
2,4-Dichlorophenoxy acetic acid (2,4-D)		<1.0	100		Triallate	<10	230
Diclofop-methyl		<0.9	9		Trichloroethylene	<0.5	5
Dimethoate		<1	20		2,4,6-Trichlorophenol	<0.2	5
					Trifluralin	<0.5	45
					Vinyl Chloride	<0.2	1

EGANVILLE DRINKING WATER SYSTEM - OPERATIONAL DATA - MONTHLY AVERAGES										
MONTH	pH		ALKALINITY		COLOUR		TEMPERATURE			
	RAW	TREATED	mg/l CaCo ₃		TCU		C ^o			
	RAW	TREATED	RAW	TREATED	RAW	TREATED	RAW	TREATED		
JANUARY	7.32	7.01	44	33	18	1	4.6	6.6		
FEBRUARY	7.35	6.98	43	32	18	1	2.1	4.1		
MARCH	7.34	7.09	49	38	20	1	3.1	4.2		
APRIL	7.37	7.01	50	38	19	1	6.9	7.7		
MAY	7.58	7.02	48	37	24	2	14.5	14.4		
JUNE	7.60	7.24	47	39	26	1	21.1	19.7		
JULY	7.62	7.00	39	28	24	1	24.5	23.0		
AUGUST	7.96	7.12	39	30	20	1	23.2	23.1		
SEPTEMBER	7.95	7.08	40	29	17	1	19.0	19.3		
OCTOBER	7.71	7.08	46	37	17	1	14.5	16.1		
NOVEMBER	7.70	6.98	37	27	16	1	5.3	7.5		
DECEMBER	7.58	7.05	39	26	17	1	1.5	3.5		
AVERAGE	7.59	7.06	43	33	20	1.08	11.7	12.4		

EGANVILLE DRINKING WATER SYSTEM - OPERATIONAL DATA - PROCESS CHEMICAL USAGE							
MONTH	RAW WATER FLOW m ³	SODIUM HYPOCHORITE		PAS-8		POLYMER	
		Kg Used	Dosage mg/l	Kg Used	Dosage mg/l	Kg Used	Dosage mg/l
JANUARY	16629.7	86.00	5.17	793	47.69	2.33	0.14
FEBRUARY	14041.2	75.00	5.34	671	47.79	1.97	0.14
MARCH	14426.7	77.62	5.38	692	47.97	2.02	0.14
APRIL	13604.0	100.34	7.38	653	48.00	1.90	0.14
MAY	15531.5	79.56	5.12	772	49.71	2.17	0.14
JUNE	17639.6	107.58	6.10	849	48.13	2.47	0.14
JULY	17460.0	75.06	4.30	847	48.51	2.44	0.14
AUGUST	18556.4	98.40	5.30	896	48.29	2.60	0.14
SEPTEMBER	18180.5	97.20	5.35	880	48.40	2.55	0.14
OCTOBER	18846.3	94.72	5.03	903	47.91	2.64	0.14
NOVEMBER	18696.0	89.56	4.79	912	48.78	2.62	0.14
DECEMBER	20772.1	91.94	4.43	1158	55.75	2.91	0.14
TOTAL	204384.00	1072.98		10026		28.62	
AVERAGE	17032	89.42	5.31	836	48.91	2.39	0.14

EGANVILLE DRINKING WATER SYSTEM - 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	0.46	0.55	0.09	0.10	0.510	0.261	0.000	0.194	0.040	0.147	0.006	0.150	*	*	*	*
FEBRUARY	0.35	0.44	0.08	0.10	0.054	0.266	0.038	0.294	0.011	0.196	0.007	0.273	*	*	*	*
MARCH	0.36	1.05	0.08	0.11	0.049	0.267	0.034	0.267	0.001	0.291	0.034	0.200	*	*	*	*
APRIL	0.41	0.49	0.09	0.12	0.021	0.281	0.010	0.280	0.001	0.114	0.220	0.284	0.000	0.055	0.000	0.016
MAY	0.54	0.94	0.10	0.12	0.054	0.191	0.021	0.185	0.001	0.159	0.073	0.223	0.000	1.993	0.000	0.104
JUNE	0.77	1.03	0.11	0.20	0.006	0.206	0.033	0.186	0.001	0.165	0.007	0.153	0.000	0.272	0.008	0.144
JULY	0.94	1.25	0.13	0.16	0.046	0.170	0.044	0.278	0.001	0.204	0.054	0.260	0.024	0.299	0.011	0.107
AUGUST	0.63	0.92	0.13	0.17	0.027	0.159	0.026	0.158	0.001	0.111	0.048	0.156	0.000	0.129	0.002	0.233
SEPTEMBER	0.47	0.70	0.09	0.12	0.044	0.129	0.470	0.126	0.001	0.079	0.050	0.140	0.010	0.140	0.006	0.045
OCTOBER	0.55	0.75	0.09	0.12	0.032	0.144	0.045	0.133	0.014	0.130	0.034	0.199	0.066	0.182	0.013	0.036
NOVEMBER	0.54	0.69	0.07	0.09	0.030	0.159	0.051	0.173	0.037	0.117	0.036	0.116	0.011	0.157	0.004	0.038
DECEMBER	0.44	0.70	0.07	0.10	0.031	0.129	0.059	0.169	0.020	0.260	0.043	0.242	0.007	0.242	0.005	0.018
Yearly Min / Max	0.35	1.25	0.07	0.20	0.006	0.281	0.000	0.294	0.001	0.291	0.006	0.284	0.000	1.993	0.000	0.233

Number of Samples Collected:

Raw Water Grab - 52

Treated Water Grab - 52

Treated Water Continuous - 6 filters for 9 months, 4 filters for 3 months - 48,144

* GAC Filters offline for maintenance