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 -- 8	1 -- 2	0	0	<2 -- 2	12	0	0	<2 -- 2
FEBRUARY	4	2 -- 8	1 -- 2	0	0	<2 --<2	12	0	0	<2 -- 24
MARCH	4	2 -- 10	1 -- 2	0	0	<1 -- <2	12	0	0	<2 -- 2
APRIL	5	4 -- 10	1 -- 3	0	0	<2 --<2	15	0	0	<2 -- <2
MAY	4	2 -- 30	1 -- 10	0	0	<2 --<2	12	0	0	<2 -- 2
JUNE	4	16 -- 80	8 -- 46	0	0	<2 -- 90	16	0	0	<2 -- 4
JULY	5	62 -- 160	11 -- 32	0	0	<2 -- <2	20	0	0	<2 -- 2
AUGUST	4	8 -- 160	2 -- 66	0	0	<2 -- <2	16	0	0	<2 -- 10
SEPTEMBER	5	8 -- 160	3 -- 32	0	0	<2 -- <2	18	0	0	<2 -- 16
OCTOBER	4	12 -- 42	1 -- 15	0	0	<2 --<2	12	0	0	<2 -- 2
NOVEMBER	4	8 -- 26	1 -- 6	0	0	<2 -- <2	12	0	0	<2 -- 2
DECEMBER	5	6 -- 16	1 -- 3	0	0	<2 -- <2	15	0	0	<2 -- 2
TOTAL	52						172			

*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 FREE CHLORINE RESIDUAL (mg/l)	RANGE OF TOTAL CHLORINE RESIDUAL (mg/l)	NUMBER OF SAMPLES COLLECTED	RANGE OF FREE CHLORINE RESIDUAL (mg/l)	RANGE OF TOTAL CHLORINE RESIDUAL (mg/l)
JANUARY	499	582	15456	1850	8760	1.41 --1.80	1.66 -- 1.89	43	0.49 --1.22	1.36 -- 1.75
FEBRUARY	514	678	14378	1639	8760	1.33 -- 1.78	1.68 -- 1.86	40	0.57 -- 1.14	1.41 -- 1.79
MARCH	511	594	15851	1486	8760	1.22 -- 2.31	1.52 -- 2.44	43	0.50 -- 1.65	1.36 -- 2.20
APRIL	505	594	15145	1445	8760	1.76 --2.48	2.11 -- 2.53	45	1.11 -- 2.07	1.73 -- 2.60
MAY	518	624	16069	1866	8760	1.70 -- 2.05	1.92 -- 2.30	43	0.94 -- 1.67	1.82 -- 2.14
JUNE	541	663	16215	1698	8760	1.49 -- 2.34	2.25 -- 2.36	46	0.70 -- 1.72	1.71 -- 2.20
JULY	550	800	17060	1102	8760	1.58 -- 2.50	2.02 -- 2.50	51	1.05 --1.46	1.18 -- 2.03
AUGUST	516	632	15986	2131	8760	1.41 -- 2.78	1.65 -- 2.52	47	.92 -- 2.08	1.10 -- 2.20
SEPTEMBER	605	697	18141	2594	8760	1.57 -- 2.56	2.00 -- 2.57	48	1.37 -- 2.12	1.47 -- 2.20
OCTOBER	554	636	17183	2193	8760	1.30 -- 2.15	1.71 -- 2.22	43	0.77 - 1.87	1.20 -- 1.96
NOVEMBER	551	660	16525	1848	8760	1.90 -- 1.99	2.18 -- 2.24	42	1.34 -- 2.13	1.77 -- 2.13
DECEMBER	521	709	16158	2612	8760	1.73 -- 2.13	1.96 -- 2.44	46	0.99 -- 2.02	1.57 -- 2.20
TOTAL			194167	22464	105120			537		
AVERAGE	532	656	16181	1872		1.63 -- 2.39	1.83 -- 2.73	45	0.73 -- 2.01	1.45 -- 2.14

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									
FEBRUARY	1	<0.1	<0.1	1	<0.1	0.1	1	0.1	0.1
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:		Feb.4,2014								
PARAMETER		RESULT mg/l	ODWQS* mg/l							
Antimony		<0.0001	0.006							
Arsenic		0.0001	0.025							
Barium		0.025	1							
Boron		0.006	5							
Cadmium		<0.00002	0.005							
Chromium		0.002	0.05							
Mercury		<0.00002	0.001							
Selenium		<0.001	0.01							
Uranium		<0.00005	0.02							
EGANVILLE DRINKING WATER DISTRIBUTION SYSTEM - TRIHALOMETHANE										
SAMPLE DATE		**Feb.4,2014**		**Apr.29,2014**		**July 29,2014**		**Oct.7,2014**		
PARAMETER		RESULTS ug/l		RESULTS ug/l		RESULTS ug/l		RESULTS ug/l		
Chloroform		44.8		40.7		94.3		59		
Bromodichloromethane		1.4		1.2		2.7		2.3		
Dibromochloromethane		0.4		<0.1		0.3		0.3		
Bromoform		<0.1		<0.1		<0.1		<0.1		
Total Trihalomethane		46.5		42.0		97.4		61.6		
Annual Running Average		69.75		68.4		72.72		61.87		

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

EGANVILLE WATER TREATMENT PLANT - TREATED WATER - SCHEDULE 24 - ORGANIC PARAMETERS							
February 4,2014		RESULT	ODWQS		**February 4,2014**	RESULT	ODWQS
PARAMETER		ug/l	ug/l		PARAMETER	ug/l	ug/l
Alachlor		<0.3	5		Diquat	<5	70
Aldicarb		<3	9		Diuron	<5	150
Aldrin + Dieldrin		<0.02	0.7		Glyphosate	<25	280
Atrazine + N-dealkylated metabolites		<0.5	5		Heptachlor + Heptachlor Epoxide	<0.1	3
Azinphos-methyl		<1	20		Lindane (Total)	<0.1	4
Bendiocarb		<3	40		Malathion	<5	190
Benzene		<0.5	5		Methoxychlor	<0.1	900
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		Parathion	<3	50
Chlordane (Total)		<0.04	7		Pentachlorophenol	<0.1	60
Chlorpyrifos		<0.5	90		Phorate	<0.3	2
Cyanazine		<0.5	10		Picloram	<5	190
Diazinon		<1	20		Polychlorinated Biphenyls (PCB)	<0.05	3
Dicamba		<5	120		Prometryne	<0.1	1
1,2-Dichlorobenzene		<0.1	200		Simazine	<0.5	10
1,4-Dichlorobenzene		<0.2	5		Temephos	<10	280
DDT + metabolites		<0.01	30		Terbufos	<0.3	1
1,2-dichloroethane		<0.1	5		Tetrachloroethylene (perchloroethylene)	<0.2	30
1,1-Dichloroethylene (vinylidene chloride)		<0.2	14		2,3,4,6-Tetrachlorophenol	<0.1	100
Dichloromethane		<.3	50		Triallate	<10	230
2,4-Dichlorophenol		<0.1	900		Trichloroethylene	<0.1	5
2,4-Dichlorophenoxy acetic acid (2,4-D)		<5	100		2,4,6-Trichlorophenol	<0.1	5
Diclofop-methyl		<0.5	9		2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	<10	280
Dimethoate		<1	20		Trifluralin	<0.5	45
Dinoseb		<0.5	10		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	7.35	7.11	38	24	112	137	21	1.1	2.1	3.0
FEBRUARY	7.35	7.25	37	26	117	140	22	1.5	2.1	3.7
MARCH	7.34	7.08	39	26	117	142	21	1.5	1.8	3.5
APRIL	7.58	7.37	47	34	126	153	22	1.2	5.0	5.9
MAY	7.65	7.17	43	28	123	143	26	1.3	13.7	13.8
JUNE	7.58	7.23	42	31	127	151	34	1.1	21.4	20.8
JULY	7.68	7.36	49	38	127	158	29	1.0	22.7	22.4
AUGUST	7.77	7.21	44	30	129	163	25	1.3	21.6	21.6
SEPTEMBER	7.76	7.25	50	35	138	168	24	1.4	18.2	19.2
OCTOBER	7.65	7.19	46	36	122	147	23	1.2	13.2	15.4
NOVEMBER	7.66	7.13	39	28	113	142	23	1.3	4.7	6.7
DECEMBER	7.56	7.06	40	28	130	127	18	1.2	2.1	3.8
AVERAGE	7.58	7.20	43	30	123	148	24	1.3	10.7	11.6

EGANVILLE WATER TREATMENT PLANT - OPERATIONAL DATA - PROCESS CHEMICAL USAGE							
MONTH	RAW WATER FLOW	SODIUM HYPOCHLORITE		PAS-8		POLYMER	
	m^3	Kg Used	Dosage mg/l	Kg Used	Dosage mg/l	Kg Used	Dosage mg/l
JANUARY	17,306	124.08	7.17	961.77	55.57	4.67	0.27
FEBRUARY	16,017	120.24	7.51	901.78	56.30	4.32	0.27
MARCH	17,337	150.54	8.68	971.15	56.02	4.68	0.27
APRIL	16,590	144.96	8.74	924.28	55.71	4.48	0.27
MAY	17,935	124.74	6.96	1003.64	55.96	4.84	0.27
JUNE	17,913	140.28	7.83	993.02	55.44	4.84	0.27
JULY	18,162	167.34	9.21	939.90	51.75	4.90	0.27
AUGUST	18,117	126.54	6.98	1102.40	60.85	3.40	0.19
SEPTEMBER	20,735	141.18	6.81	1252.99	60.43	3.52	0.17
OCTOBER	19,376	116.04	5.99	1113.00	57.44	3.34	0.17
NOVEMBER	18,373	100.32	5.46	1021.14	55.58	3.48	0.19
DECEMBER	18,770	114.90	6.12	993.65	52.94	3.57	0.19
TOTAL	216631	1571.16		12178.72		50.04	
AVERAGE		130.93	7.29	1014.89	56.17	4.17	0.23

EGANVILLE DRINKING WATER DISTRIBUTION SYSTEM - SCHEDULE 15.1 LEAD					
			Sample Results		
Sample Period	**Sample Date**	**Location**	**Lead mg/L**	**Alkalinity mg/L**	**pH**
Dec 2013 to Apr 2014	April 1, 2014	Hydrant #0061 313 Jessie St.	N/A**	33	6.88
Dec 2013 to Apr 2014	April 1, 2014	Hydrant #0031 244 Oak St.	N/A**	35	6.92
June to Oct 2014	Oct. 9, 2014	Hydrant #0015 90 Mill St.	N/A**	28	7.28
June to Oct 2014	Oct. 9, 2014	Hydrant #0043 78 Queen St.	N/A**	29	7.35

** Schedule 15.1 allows for lead sampling every 3rd year with Alkalinty and pH each sampling period.