TOWNSHIP OF BONNECHERE VALLEY **EGANVILLE SEWAGE TREATMENT PLANT** **Year 2014**

WATER AND SEWAGE DEPARTMENT **MONITORING SUMMARY REPORT**

MONTH	FLOWS			BIOCHEMICAL OXYGEN DEMAND				TOTAL SUSPENDED SOLIDS			
	TOTAL X1000m3	AVG.DAY X1000m3	MAX DAY X1000m3	BOD5 INF 24HR COMP mg/L	* CBOD5 EFF 24HR COMP mg/L	PERCENT REMOVAL %	EFF LOADING kg/day	INF 24HR COMP mg/L	EFF 24HR COMP mg/L	PERCENT REMOVAL %	EFF LOADING kg/day
JAN.	17.209	0.555	1.260	199	3.0	98.49	1.67	166	3	98.19	2
FEB.	11.100	0.396	0.431	403	3.0	99.26	1.19	333	9	97.30	4
MAR.	12.446	0.401	0.498	423	3.0	99.29	1.20	318	11	96.54	4
APR.	31.947	1.065	1.413	53	3.0	94.34	3.20	102	10	90.20	11
MAY	27.488	0.887	1.256	111	3.0	97.30	2.66	66	9	86.36	8
JUN.	21.691	0.723	1.103	223	3.0	98.65	2.17	124	7	94.35	5
JUL.	18.885	0.607	0.861	107	3.0	97.20	1.82	205	7	96.59	4
AUG.	15.811	0.510	1.056	84	3.0	96.43	1.53	77	9	88.31	5
SEP.	13.860	0.462	0.545	276	3.0	98.91	1.39	183	10	94.54	5
OCT.	14.484	0.467	0.534	131	3.0	97.71	1.40	100	10	90.50	4
NOV.	14.063	0.469	0.590	82	3.0	96.34	1.41	114	11	90.35	5
DEC.	14.765	0.476	0.583	115	3.0	97.39	1.43	132	10	92.42	5
TOTAL	213.749										
AVERAGE	17.812	0.585	0.844	184	3.0	97.61	1.75	160	8.8	92.97	5.10
MAX	31.947	1.065	1.413	423	3.0	99.29	3.20	333	11	98.19	10.65
LIMITS		**1.080**	**2.700**		**25**		**27**		**25**		**27**
OBJECTIVES					**15**		**16.2**		**15**		**16.2**

* CBOD5 - all sample analysis reported as <3 mg/l (MDL was 3)

TOWNSHIP OF BONNECHERE VALLEY **EGANVILLE SEWAGE TREATMENT PLANT** **Year 2014**

WATER AND SEWAGE DEPARTMENT **MONITORING SUMMARY REPORT**

MONTH	TOTAL PHOSPHORUS				TKN				TOTAL AMMONIA NITROGEN	pH	
	INF 24HR COMP mg/L	EFF 24HR COMP mg/L	PERCENT REMOVAL %	EFF LOADING kg/day	INF 24HR COMP mg/L	EFF 24HR COMP mg/L	PERCENT REMOVAL %	EFF LOADING kg/day	EFF 24HR COMP mg/L	AVG INF	AVG EFF
JAN.	4.90	0.08	98.37	0.04	51.8	2.22	95.71	1.23	0.61	8.25	6.76
FEB.	5.70	0.09	98.42	0.04	62.5	1.19	98.10	0.47	0.23	8.56	6.65
MAR.	6.40	0.13	97.97	0.05	56.4	1.51	97.32	0.61	0.24	8.49	6.63
APR.	3.00	0.12	96.00	0.13	23.3	1.3	94.42	1.38	0.09	7.93	6.74
MAY	3.50	0.11	96.86	0.10	28.0	0.81	97.11	0.72	0.15	7.6	6.76
JUN.	4.20	0.19	95.48	0.14	39.8	0.65	98.37	0.47	0.01	7.75	6.94
JUL.	4.50	0.28	93.78	0.17	37.2	0.86	97.69	0.52	0.10	7.61	6.86
AUG.	4.70	0.29	93.83	0.15	28.9	0.88	96.96	0.45	0.04	7.69	6.72
SEP.	4.50	0.32	92.89	0.15	37.6	0.85	97.74	0.39	0.14	7.74	6.77
OCT.	4.80	0.26	94.58	0.12	45.1	0.97	97.85	0.45	0.08	8.11	7.12
NOV.	4.60	0.19	95.87	0.09	35.0	0.6	98.29	0.28	0.01	8.08	7.04
DEC.	4.80	0.14	97.08	0.07	45.9	1.01	97.80	0.48	0.50	8.23	6.93
AVERAGE	4.63	0.18	95.93	0.10	40.96	1.07	97.28	0.62	0.18	8.00	6.83
MAX	6.40	0.32	98.42	0.17	62.50	2.22	98.37	1.38	0.61	8.56	7.12
LIMITS		**1.00**		**1.10**					**5.00**		**6.0 - 8.5**
OBJECTIVES		**1.00**		**1.10**					**5.00**		**6.5 - 8.5**

TOWNSHIP OF BONNECHERE VALLEY
WATER AND SEWAGE DEPARTMENT

EGANVILLE SEWAGE TREATMENT PLANT
MONITORING SUMMARY REPORT

Year 2014

MONTH	Total	Sodium Hypochlorite			E. coli	Pre Hydr Alum Sulphate		Sodium Bisulphite		Number of By-passes
	X1000m3	Kg Used	Dosage mg/l	Effluent Residual mg/l	Counts per 100ml	Kg Used	Dosage mg/l	Kg Used	Dosage mg/l	
JAN.	17.209	59.50	3.46	0.0	3	846.79	49.21	38.00	2.21	0
FEB.	11.100	46.80	4.22	0.0	1	796.79	71.78	32.68	2.94	0
MAR.	12.446	55.70	4.48	0.0	2	874.28	70.25	34.20	2.75	0
APR.	31.947	125.40	3.93	0.0	2	2327.30	72.85	89.30	2.80	0
MAY	27.488	95.60	3.48	0.0	3	2051.03	74.62	87.78	3.19	0
JUN.	21.691	97.10	4.48	0.0	37	1566.09	72.20	101.46	4.68	0
JUL.	18.885	90.20	4.78	0.0	12	1371.73	72.64	72.96	3.86	0
AUG.	15.811	96.80	6.12	0.0	2	1169.25	73.95	68.40	4.33	0
SEP.	13.860	80.50	5.81	0.0	2	966.77	69.75	37.62	2.71	0
OCT.	14.484	81.40	5.62	0.0	2	1021.14	70.50	46.36	3.20	0
NOV.	14.063	76.40	5.43	0.0	3	998.02	70.97	50.92	3.62	0
DEC.	14.765	60.00	4.06	0.0	4	1131.00	76.60	58.90	3.99	0
TOTAL	213.749	965.40				15120.19		718.58		
AVERAGE	17.812	80.45	4.65	0.0	6	1260	70.44	59.88	3.36	
MAX	31.947	125.4	6.12		37	2327.3	76.60	101.46	4.68	
LIMITS					**<200**					
OBJECTIVES					**<200**					

TOWNSHIP OF BONNECHERE VALLEY
WATER AND SEWAGE DEPARTMENT

EGANVILLE SEWAGE TREATMENT PLANT
MONITORING SUMMARY REPORT

Year 2014

Date	Effluent Total Ammonia Nitrogen NH3-N		Effluent Unionized Ammonia NH3	Date	Effluent Total Ammonia Nitrogen NH3-N		Effluent Unionized Ammonia NH3	Date	Effluent Total Ammonia Nitrogen NH3-N		Effluent Unionized Ammonia NH3
	mg/l	kg/day	ug/l		mg/l	kg/day	ug/l		mg/l	kg/day	ug/l
Jan.6	0.01	0.01	0.00	Mar. 3	0.50	0.20	0.21	May.5	0.01	0.01	0.02
Jan.13	0.10	0.06	0.07	Mar.10	0.06	0.02	0.03	May.6	0.07	0.06	0.06
Jan.14	1.28	0.71	0.82	Mar.11	0.15	0.06	0.08	May.12	0.65	0.58	0.92
Jan.20	0.46	0.26	0.66	Mar.17	0.25	0.10	0.10	May.20	0.02	0.02	0.02
Jan.27	0.25	0.14	0.31	Mar.24	0.80	0.32	0.40	May.26	0.01	0.01	0.01
Jan.28	1.63	0.90	1.86	Mar.25	0.08	0.03	0.04				
				Mar.31	0.16	0.06	0.12				
Feb.3	0.30	0.12	0.29	Apr.7	0.01	0.01	0.01	Jun.2	0.01	0.01	0.04
Feb.10	0.01	0.00	0.01	Apr.8	0.22	0.23	0.16	Jun.4	0.01	0.01	0.00
Feb.11	0.03	0.01	0.02	Apr.14	0.01	0.01	0.01	Jun.9	0.01	0.01	0.03
Feb.18	0.09	0.03	0.44	Apr.22	0.19	0.20	0.18	Jun.16	0.01	0.01	0.06
Feb.24	0.20	0.08	0.13	Apr.28	0.01	0.01	0.01	Jun.17	0.01	0.01	0.00
Feb.25	0.01	0.00	0.10					Jun.23	0.01	0.01	0.02
								Jun.30	0.01	0.01	0.02
MAX	1.63	0.90	1.86		0.80	0.32	0.40		0.65	0.58	0.92
LIMITS	**5.00**	**5.40**	**20**		**5.00**	**5.40**	**20**		**5.00**	**5.40**	**20**

TOWNSHIP OF BONNECHERE VALLEY
WATER AND SEWAGE DEPARTMENT

EGANVILLE SEWAGE TREATMENT PLANT
MONITORING SUMMARY REPORT

Year 2014

Date	Effluent Total Ammonia Nitrogen NH3-N		Effluent Unionized Ammonia NH3	Date	Effluent Total Ammonia Nitrogen NH3-N		Effluent Unionized Ammonia NH3	Date	Effluent Total Ammonia Nitrogen NH3-N		Effluent Unionized Ammonia NH3
	mg/l	kg/day	ug/l		mg/l	kg/day	ug/l		mg/l	kg/day	ug/l
Jul.2	0.01	0.01	0.00	Sept.2	0.56	0.26	1.19	Nov.3	0.01	0.00	0.03
Jul.7	0.01	0.01	0.02	Sept.8	0.01	0.00	0.03	Nov.4	0.01	0.00	0.02
Jul.14	0.36	0.22	0.83	Sept.9	0.10	0.05	0.26	Nov.10	0.01	0.00	0.03
Jul.15	0.06	0.04	0.07	Sept.15	0.11	0.05	0.22	Nov.17	0.01	0.00	0.03
Jul.21	0.10	0.06	0.18	Sept.22	0.01	0.00	0.01	Nov.18	0.01	0.00	0.02
Jul.28	0.10	0.06	0.27	Sept.23	0.01	0.00	0.00	Nov.24	0.01	0.00	0.02
Jul.29	0.02	0.01	0.07	Sept.29	1.00	0.46	0.24				
Aug.5	0.01	0.01	0.02	Oct.6	0.50	0.23	0.90	Dec.1	0.01	0.00	0.02
Aug.11	0.01	0.01	0.02	Oct.7	0.01	0.00	0.03	Dec.2	0.01	0.00	0.00
Aug.12	0.01	0.01	0.02	Oct.14	0.01	0.00	0.07	Dec.8	1.50	0.71	2.35
Aug.18	0.11	0.06	0.17	Oct.20	0.11	0.05	1.00	Dec.16	0.01	0.00	0.00
Aug.25	0.01	0.01	0.03	Oct.21	0.01	0.00	0.02	Dec.22	0.01	0.00	0.01
Aug.26	0.06	0.03	0.15	Oct.27	0.05	0.02	0.14	Dec.29	0.55	0.26	0.85
MAX	0.36	0.22	0.83		1.00	0.46	1.19		1.50	0.71	2.35
LIMITS	**5.00**	**5.40**	**20**		**5.00**	**5.40**	**20**		**5.00**	**5.40**	**20**