

**Table 4
Summary of Septage Quality Data
Selected Municipalities in Ontario
Municipalities of Grey County**

Wastewater Quality Parameter	Town of Meaford				Municipality of Northern Bruce Peninsula				Municipality of Saugeen Shores (Port Elgin)				City of Hamilton				District of Muskoka				Average for Municipalities				Ontario Sanitary Sewer Use Model Bylaw Criteria	US EPA Suggested Design Concentration for Septage (mg/L)
	Range (mg/L)	Average (mg/L)	No. of Samples	Recorded Years	Range (mg/L)	Average (mg/L)	No. of Samples	Recorded Years	Range (mg/L)	Average (mg/L)	No. of Samples	Recorded Years	Range (mg/L)	Average (mg/L)	No. of Samples	Recorded Years	Range (mg/L)	Average (mg/L)	No. of Samples	Recorded Years	Range (mg/L)	Average (mg/L)	No. of Samples	Recorded Years		
pH					6.43-7.46	7.04	11	2001-2002					5.03-9.16	7	149	2001					5.03-9.16	7.00	160	2001-2003	6-10.5	6
Chloride					10-437	152	11	2001-2002									54-880	467	2	2003	10-880	200.76	13	2001-2003	1500	
Nitrogen-Ammonia	33	33	1	2002	51.1-771	229.8	10	2001-2002									47-163	105	2	2003	33-771	195.48	13	2001-2003		150
TKN	35	35	1	2002	66-1006	443.8	10	2001-2002					1-5020	419	154	2001-2002	408-1630	1019	2	2003	1-5020	425.37	167	2001-2003	100	700
COD					497-37275	9681	11	2001-2002	448-33700	10097	4	2003	95-134000	8920	154	2001-2002	13700-38800	26250	2	2003	95-134000	9199.18	171	2001-2003		15000
Total Suspended Solids	256-27900	6058	14	2001-2002	208-73200	12554.7	11	2001-2002	75-15000	5396	4	2003	2-88500	5723	154	2001-2002	9670-49600	29635	2	2003	2-88500	6406.00	185	2001-2003	350	15000
Phosphorus	6.24-571	90.22	14	2001-2002	27.7-279	108.8	10	2001-2002	8-8000	3585	4	2003	1-928	78	154	2001-2002	60-480	270	2	2003	1-8000	158.93	184	2001-2003	10	250
BOD5 - Total	372-5210	1723	14	2001-2002	141-12570	2641	11	2001-2002	133-9180	2786	4	2003	45-40500	3103	154	2001-2002	2850-14300	8575	2	2003	45-40500	3023.41	185	2001-2003	300	7000
BOD5 - Soluble					23-942	369	3	2001-2002													23-942	369.00	3	2001-2003		
Copper									0.108-290	130	4	2003	0.13-42.40	1.929	154	2001-2002	18-28	23	2	2003	0.108-290	5.39	160	2001-2003	3	8
Zinc									0.04-750	310	4	2003	0.04-64.50	3.53	154	2001-2002	9.1-34	21.55	2	2003	0.04-750	11.42	160	2001-2003	3	40
Aluminum									0.40-5300	1600	4	2003	0.1-2160	52.9	154	2001-2002	56-750	403	2	2003	0.1-5300	95.95	160	2001-2003		50