



Clinton Drinking Water System Annual Summary Report 2020

This report summarizes system flow capabilities and non-compliance issues for the preceding year, as required by O.Reg 170/03 Schedule 22.

1. Non Compliance events under applicable legislations, regulations, approvals and orders

Non Compliance	Duration	Corrective Actions
70 Total Coliforms @ P.O.E. sample taken September 29, 2020	October 1, 2020 – October 5, 2020	Resample P.O.E. Two times 24 hours apart: October 1 and October 2, 2020.
Class 2 main/service repair	November 27, 2020 – December 4, 2020	Boil water advisory delivered to affected customers, sample downstream of repair two times 24 hours apart: November 30, 2020 and December 1, 2020

2. System Flow Capability Assessment

Well #1	Month	Maximum Flow Rate L/min	Maximum Daily Flow m ³ /d	Average Daily Flow m ³ /d
	January	1440	37	4
	February	1440	34	4
	March	1440	35	4
	April	1440	52	4
	May	1440	30	3
	June	1440	48	6
	July	1440	31	4
	August	1440	28	3
	September	1440	32	4
	October	1440	64	4
	November	1440	34	3
	December	1440	56	6
	Average	1440	---	4.1
Maximum	1440	64	---	
System Capacity	2080	2995	2995	
% of Capacity	69.2	2.1	0.1	



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Well #2	Month	Maximum Flow Rate L/min*	Maximum Daily Flow m ³ /d	Average Daily Flow m ³ /d
	January	2040	1183	333
	February	2040	1206	124
	March	2040	1349	1054
	April	2040	1565	243
	May	2040	1600	827
	June	2040	1489	55
	July	2040	1635	1080
	August	2040	1244	119
	September	2040	1834	1254
	October	2040	1388	316
	November	2040	1478	1090
	December	2040	81	7
Average	2040	---	542	
Maximum	2040	1834	---	
System Capacity	2500	3600	3600	
% of Capacity	81.6	50.9	15.0	

Well #3	Month	Maximum Flow Rate L/min*	Maximum Daily Flow m ³ /d	Average Daily Flow m ³ /d
	January	1920	1574	826
	February	1920	1314	1031
	March	1920	1193	83
	April	1920	1448	944
	May	1920	1648	501
	June	1920	1703	1304
	July	1920	1618	306
	August	1920	1651	1166
	September	1920	423	20
	October	1920	1479	864
	November	1920	1112	78
	December	1920	1332	1147
Average	1920	---	689	
Maximum	1920	1703	---	
System Capacity	2100	3024	3024	
% of Capacity	91.4	56.3	22.8	

*NOTE: flow rates for all wells are fixed, continuous measurement is not available



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Point of Entry	Month	Maximum Daily Flow m³/d	Average Daily Flow m³/d
	January	1359	1264
	February	1306	1245
	March	1413	1237
	April	1888	1397
	May	2090	1505
	June	1809	1459
	July	1678	1497
	August	1620	1483
	September	2311	1402
	October	1399	1296
	November	1321	1271
	December	1300	1247
	Average	---	1359
Maximum	2311	---	
System Capacity	4864	4864	
% of Capacity	47.51	27.9	