

The Maples Annual Summary 2021

Executive Summary

Schedule 22 of Ontario Regulation 170/03 requires that summary reports are prepared and given to members of council by March 31st of each year. The report must include any requirements of the Act, Regulations, Permits, licenses or orders not met and the actions taken to correct the failure. In addition, a summary of flow rates and quantities compared to the approved capacities are provided to assess the capability of the system to meet existing and planned uses of the system.

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Staffing & Licencing

Name	Position	Licence
Curtis Whitteker	ORO	Class 2 (65358)
Gerald Whitteker	Operator	Limited Surface Water Subsystem (95112)
Brittany Loucks	Operator in Training	OT113705
Raven Hill	Operator in Training	OT112839
Vince Lauzon	Operator	Class 3(91130)

Inspection Reports

An inspection was done in November 2021 and there were no Non-Compliances.

Tabulation of Monitoring Data

Presently there is no equipment installed to capture and record instantaneous flows. However, the UV is designed with a restrictor to limit the maximum flow to 16.5GPM as per the Certificate of Approval. DWWP maximum is 162 m³/Day.

The treated and raw water flow has been calculated based on the following assumptions:

- Softener regeneration requires approximately 60 USG of water per regeneration.
- Softener regenerates every 4 days. This is roughly 91.25 regenerations per year or 7.58 regenerations per month or 15 USG per day.
- 60 USG * 7.58 monthly regenerations equals 454.8 USG of raw water used for regenerating the water softener each month.

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- Once per calendar month a sprinkler system flow alarm is tested by opening a raw water faucet and running water onto the ground outside. The water flows through a pipe with a one inch inside diameter. The water pressure in the pipe is set at approximately 52psi. The water travels approximately 14.6 meters and the valve is open for approximately 35 seconds. Therefore the estimated volume of water used is 46 liters (12 USG) per test or 0.4 USG per day.
- To determine the raw water flow we have added the monthly sprinkler volume (12 USG) and the water softener regeneration volume (454.8 USG) to the Treated Water Flow.

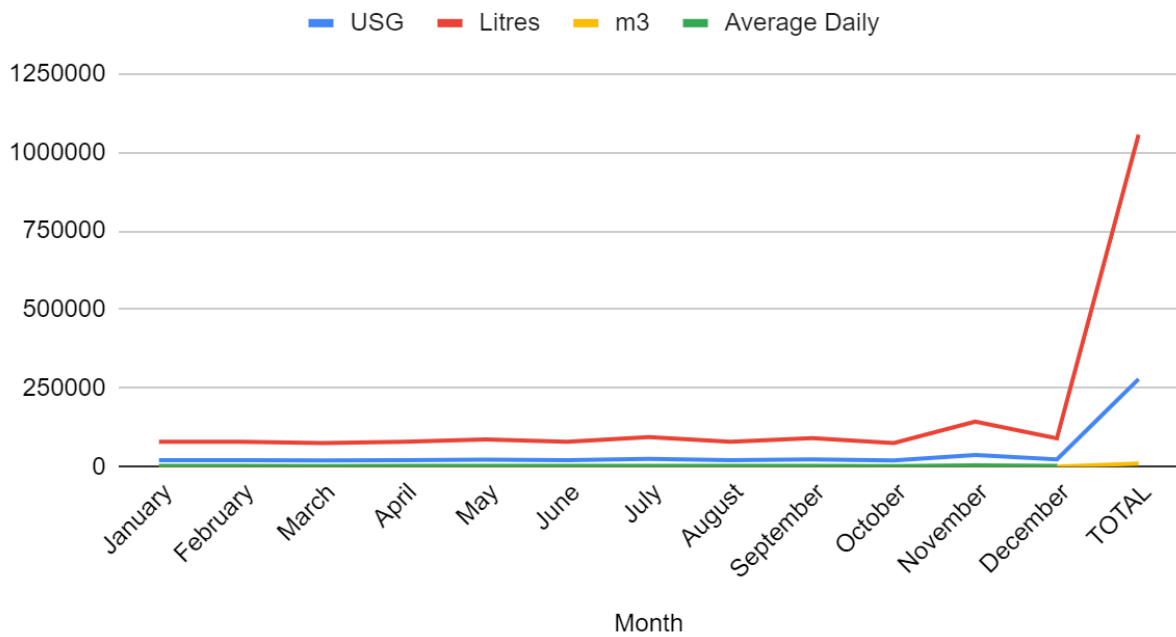
FLOW DATA

Date	# of Days	Raw Water Flow					Treated Water Flow			
		Current Flow	Previous Flow	Total USG	Total M3	Ave daily m3	Total USG	Total M3	Ave Daily M3	Rated Capacity 162m3 per Day
12/27/2020		1302								
1/12/2021	16	1313	1302	11000	41.635	2.60	11015.4	41.693	2.61	162
1/26/2021	14	1323	1313	10000	37.850	2.70	10015.4	37.908	2.71	162
2/8/2021	13	1333	1323	10000	37.850	2.91	10015.4	37.908	2.92	162
2/23/2021	15	1344	1333	11000	41.635	2.78	11015.4	41.693	2.78	162
3/8/2021	13	1353	1344	9000	34.065	2.62	9015.4	34.123	2.62	162
3/23/2021	15	1364	1353	11000	41.635	2.78	11015.4	41.693	2.78	162
4/6/2021	14	1375	1364	11000	41.635	2.97	11015.4	41.693	2.98	162
4/20/2021	14	1385	1375	10000	37.850	2.70	10015.4	37.908	2.71	162
5/3/2021	13	1396	1385	11000	41.635	3.20	11015.4	41.693	3.21	162
5/18/2021	15	1408	1396	12000	45.420	3.03	12015.4	45.478	3.03	162
6/2/2021	15	1420	1408	12000	45.420	3.03	12015.4	45.478	3.03	162
6/15/2021	13	1430	1420	10000	37.850	2.91	10015.4	37.908	2.92	162
6/29/2021	14	1441	1430	11000	41.635	2.97	11015.4	41.693	2.98	162
7/13/2021	14	1455	1441	14000	52.990	3.79	14015.4	53.048	3.79	162
7/27/2021	14	1466	1455	11000	41.635	2.97	11015.4	41.693	2.98	162
8/10/2021	14	1478	1466	12000	45.420	3.24	12015.4	45.478	3.25	162

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8/24/2021	14	1487	1478	9000	34.065	2.43	9015.4	34.123	2.44	162
9/8/2021	15	1498	1487	11000	41.635	2.78	11015.4	41.693	2.78	162
9/21/2021	13	1511	1498	13000	49.205	3.79	13015.4	49.263	3.79	162
10/4/2021	13	1521	1511	10000	37.850	2.91	10015.4	37.908	2.92	162
10/17/2021	13	1531	1521	10000	37.850	2.91	10015.4	37.908	2.92	162
11/2/2021	17	1546	1531	15000	56.775	3.34	15015.4	56.833	3.34	162
11/17/2021	15	1558	1546	12000	45.420	3.03	12015.4	45.478	3.03	162
11/29/2021	12	1569	1558	11000	41.635	3.47	11015.4	41.693	3.47	162
12/13/2021	14	1581	1569	12000	45.420	3.24	12015.4	45.478	3.25	162
12/28/2021	15	1593	1581	12000	45.420	3.03	12015.4	45.478	3.03	162

USG, Litres, m3 and Average Daily



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Summary of Maintenance

- Replacement of UV lamps
- Replacement of filters
- UV sensor verification

Information

N/A