

# 2022 SCHEDULE 22 SUMMARY REPORT

LISLE  
DRINKING WATER  
SYSTEM



For the period of  
January 1<sup>st</sup>, 2022 to December 31<sup>st</sup>, 2022

Prepared for the Corporation of the Township of Adjala-Tosorontio by the  
Ontario Clean Water Agency

This report was prepared in accordance with the requirements of [O.Reg 170/03, Schedule 22, Summary Reports for Municipalities](#) for the following system and reporting period:

<b>Drinking-Water System Number:</b>	220005438
<b>Drinking-Water System Name:</b>	Lisle Drinking Water System
<b>Drinking-Water System Owner:</b>	The Corporation of the Township of Adjala-Tosorontio
<b>Drinking-Water System Category:</b>	Small Municipal Residential
<b>Period being reported:</b>	January 1, 2022 – December 31, 2022

## 1. Issue(s) of Non-Compliance

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on April 12, 2022 for the period covering July 8, 2021 to April 12, 2022. On June 13, 2022 the Inspection Report was issued and an Inspection Summary Rating Record (IRR) of 100% was received.

The following is a summary of non-compliances noted in the MECP Inspection Report, as well as the duration and the measures that were taken to correct the non-compliance. If any self-reported non-compliances were included in the inspection report, they will be noted in Table 1.

**Table 1. Non-Compliances and Corrective Actions noted in the 2021/2022 MECP Inspection Report**

Non-Compliance(s)	Duration	Required Actions & Corrective Actions
N/A	N/A	N/A

The following table (Table 2) is a summary of any incidents that the Operating Authority interpreted as instances where any requirements of the Act, the regulations, the system's approval, drinking water works permit (DWWP), municipal drinking water licence (MDWL), and any orders applicable were not met. The Operating Authority reported the following incidents to the MECP and confirmation of whether the incidents are considered non-compliances are noted in the MECP Inspection Report and included in Table 1.

**Table 2. Self-Reported Incidents and Corrective Actions for the Reporting Period**

Incident	Duration	Corrective Actions
N/A	N/A	N/A

For information on any Adverse Water Quality Incident(s) that may have occurred during the reporting period, please refer to the Lisle Drinking Water System Annual Report (Section 11).

## 2. Assessment of Flowrates and Quantity of Water Supplied

The following tables (Table 3 to 7) summarize the quantities and flowrates of water supplied during the reporting period, including monthly averages and maximum daily flows as well as a comparison to the rated capacity and flowrates approved in the system's approval, DWWP or MDWL.

As required by the MDWL, regulatory flow measuring devices are checked/verified and where necessary calibrated. These checks/verifications/calibrations are performed annually by a third party to ensure the flow measuring devices are within acceptable deviation limits.

## 2.1 Treated Water

<b>Municipal Drinking Water License (MDWL):</b>	097-104 (Issue Number: 4)
<b>Allowable Rated Capacity:</b>	657 m <sup>3</sup> /day
<b>Allowable Flowrate into Treatment System:</b>	Not listed in MDWL

As per the MDWL, the maximum daily volume of treated water that flows from the treatment subsystem to the distribution system shall not exceed the listed rated capacity. However, the MDWL allows a system to be operated temporarily at a maximum daily volume and/or a maximum flowrate above the values set out in the MDWL for the purposes of fighting a large fire or for the maintenance of the drinking water system.

**Table 3. Treated Water Annual and Monthly Average and Maximum Flows with Comparison to Rated Capacity and Total Volume for 2022**

Treated Water Flow <sup>3A</sup>					
Timeframe	Average Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Maximum Flow (m <sup>3</sup> /day)	Percent of Rated Capacity	Total Volume (m <sup>3</sup> )
January	38.48	5.86%	58.57	8.91%	1,192.83
February	35.85	5.46%	43.04	6.55%	1,003.80
March	36.70	5.59%	73.34	11.16%	1,137.77
April	36.76	5.60%	49.99	7.61%	1,102.74
May	50.08	7.62%	75.65	11.51%	1,552.56
June	47.50	7.23%	80.96	12.32%	1,424.86
July	50.62	7.70%	68.38	10.41%	1,569.35
August	42.94	6.54%	67.37	10.25%	1,331.12
September	37.65	5.73%	49.62	7.55%	1,129.56
October	34.82	5.30%	43.79	6.67%	1,079.36
November	34.24	5.21%	41.21	6.27%	1,027.24
December	37.53	5.71%	54.67	8.32%	1,163.41
<b>2022</b>	<b>40.31</b>	<b>6.14%</b>	<b>80.86</b>	<b>12.32%</b>	<b>14,714.6</b>

<sup>3A</sup>Treated water flow and flowrate data for Lisle Pumphouse is based off the raw water flow and flowrate data for the combined takings of Well #1 and Well #2. There is only one set of pumps (per well) responsible for the raw water taking, water that flows into the treatment system and water that flows from the treatment system into the distribution system.

A review of flow information for the reporting period indicates that the drinking water system operated within the rated capacity specified in the MDWL, for the maximum treated volume of treated water that flows from the treatment subsystem to the distribution system.

A summary of flowrates of water that flows into the treatment system can be found in Table 5 and Table 7. The applicable MDWL for the reporting period did not list a maximum allowable limit for the flowrate of water that flows into a treatment subsystem.

## 2.2 Raw Water

<b>Permit to Take Water Number (PTTW):</b>	2516-BY6PCJ
<b>Allowable Maximum Raw Water Volume - Well #1:</b>	656.64 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate - Well #1:</b>	7.6 L/sec
<b>Allowable Maximum Raw Water Volume - Well #2:</b>	656.64 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate - Well #2:</b>	7.6 L/sec

As per the PTTW, water shall only be taken from the specified source(s) and at the rates and amounts taken as specified in the permit.

**Table 4. Raw Water (Well #1) Monthly Average, Maximum Flow and Total Volume for 2022**

Raw Water Flow – Well #1					
Timeframe	Average Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Maximum Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Total Volume (m <sup>3</sup> )
January	19.13	2.91%	26.52	4.04%	593.01
February	17.92	2.73%	21.90	3.34%	501.80
March	18.06	2.75%	36.97	5.63%	559.96
April	18.26	2.78%	25.33	3.86%	547.74
May	25.53	3.89%	37.67	5.74%	791.34
June	25.02	3.81%	45.56	6.94%	750.66
July	26.85	4.09%	35.61	5.42%	832.26
August	22.27	3.39%	31.82	4.85%	690.37
September	19.74	3.01%	26.34	4.01%	592.07
October	18.34	2.79%	24.03	3.66%	568.46
November	17.84	2.72%	22.22	3.38%	535.22
December	19.34	2.94%	28.70	4.37%	599.40
<b>2022</b>	<b>20.69</b>	<b>3.15%</b>	<b>30.22</b>	<b>6.94%</b>	<b>7,562.29</b>

A review of flow information for the reporting period indicates that Well #1 operated within the PTTW's maximum allowable daily raw water volume.

**Table 5. Raw Water (Well #1) Annual and Monthly Average and Maximum Flowrates for 2022**

Raw Water Flowrate – Well #1		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	3.86	6.13
February	3.86	5.95
March	3.94	6.82
April	4.03	6.37
May	3.50	6.58
June	3.04	6.22
July	2.63	6.37
August	2.53	5.82
September	2.64	5.60
October	2.68	5.95
November	2.67	5.81
December	2.77	5.75
<b>2022</b>	<b>3.17</b>	<b>6.82</b>

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable raw water flowrate for Well #1.

**Table 6. Raw Water (Well #2) Monthly Average, Maximum Flow and Total Volume for 2022**

Raw Water Flow – Well #2					
Timeframe	Average Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Maximum Flow (m <sup>3</sup> /day)	Percent of Allowable Volume	Total Volume (m <sup>3</sup> )
January	19.35	2.95%	32.05	4.88%	599.82
February	17.93	2.73%	21.42	3.26%	502.00
March	18.64	2.84%	36.37	5.54%	577.81
April	18.50	2.82%	24.66	3.76%	555.00
May	24.56	3.74%	39.37	6.00%	761.22
June	22.47	3.42%	35.43	5.40%	674.20
July	23.78	3.62%	44.28	6.74%	737.09
August	20.67	3.15%	51.7	7.87%	640.75
September	17.92	2.73%	23.28	3.55%	537.49
October	16.48	2.51%	19.76	3.01%	510.90
November	16.40	2.50%	19.03	2.90%	492.02
December	18.19	2.77%	38.36	5.84%	564.01
<b>2022</b>	<b>19.57</b>	<b>2.98%</b>	<b>51.70</b>	<b>7.87%</b>	<b>7,152.31</b>

A review of flow information for the reporting period indicates that Well #2 operated within the PTTW's maximum allowable daily raw water volume.

**Table 7. Raw Water (Well #2) Annual and Monthly Average and Maximum Flowrates for 2022**

<b>Raw Water Flowrate – Well #2</b>		
<b>Timeframe</b>	<b>Average Flowrate (L/sec)</b>	<b>Maximum Flowrate (L/sec)</b>
January	3.33	5.10
February	3.33	3.80
March	3.41	5.07
April	3.42	3.86
May	3.47	5.63
June	3.40	3.96
July	3.29	6.26
August	3.28	6.93
September	3.32	3.79
October	3.33	4.98
November	3.35	4.00
December	3.37	5.27
<b>2022</b>	<b>3.36</b>	<b>6.93</b>

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable raw water flowrate for Well #2.