

# 2024 SCHEDULE 22 SUMMARY REPORT

LISLE  
DRINKING WATER  
SYSTEM



For the period of  
January 1<sup>st</sup>, 2024 to December 31<sup>st</sup>, 2024

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, 2024 – December 31, 2024

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

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on April 24, 2024 for the period covering May 4, 2023 to April 24, 2024. On June 11, 2024, the Inspection Report was issued and an Inspection Summary Rating Record (IRR) of 95.47% was received.

The following is a summary of non-compliances noted in the MECP Inspection Report, as well as the duration and the measures taken to correct the non-compliance. Any self-reported non-compliances included in the inspection report, are noted in Table 1.

**Table 1. Non-Compliances and Corrective Actions noted in the 2023/2024 MECP Inspection Report**

Non-Compliance(s)	Duration	Required Actions & Corrective Actions
<p>O.Reg. 170/03, Schedule 2 – Non-compliance. Records did not indicate that the treatment equipment was operated in a manner that achieved the design capabilities prescribed in O.Reg 170/03 at all times that water was being supplied to consumers.</p> <ul style="list-style-type: none"> <li>For approximately 10 minutes on May 16, 2023, a flow control valve failed during system flushing which resulted in higher than normal flows and reduced chlorine disinfectant dosing.</li> <li>Treated water was possibly sent to the distribution system with disinfectant residual equal to or less than the minimum required free chlorine residual (FCR) after contact (0.24 mg/L) at normal peak flows (7.6 L/s). CT appears to have not been met for approximately 10 minutes.</li> </ul>	10 minutes	<ul style="list-style-type: none"> <li>OCWA immediately reported the possible adverse observation to the MECP, local Health unit and SAC on May 16, 2023- AWQI #161985. No additional actions advised.</li> <li>Chlorine pump speeds were increased and disinfection was restored completed May 16, 2023</li> <li>Operator flushed distribution system and tested free chlorine residual: 0.81 mg/L. Bacteriological samples were collected.</li> <li>Sample results were received on May 19, 2023 and were negative for bacteriological presence. No additional actions were required by the MoH or MECP- results were within regulatory requirements.</li> <li>Written notice of resolution submitted on May 19, 2023.</li> <li>No further actions were required.</li> </ul>

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 2024**

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	37.64	5.73%	51.34	7.81%	1,166.97
February	37.95	5.78%	43.94	6.69%	1,100.42
March	40.12	6.11%	48.69	7.41%	1,243.85
April	44.19	6.73%	74.28	11.31%	1,325.77
May	42.90	6.53%	63.84	9.72%	1,329.90
June	38.24	5.82%	48.87	7.44%	1,147.09
July	38.78	5.90%	63.79	9.71%	1,202.03
August	34.72	5.28%	53.12	8.09%	1,076.16
September	33.90	5.16%	44.14	6.72%	1,016.87
October	32.80	4.99%	41.76	6.36%	1,016.88
November	32.24	4.91%	37.91	5.77%	871.46
December	31.44	4.79%	36.88	5.61%	974.72
<b>2024</b>	<b>37.15</b>	<b>5.65%</b>	<b>74.28</b>	<b>11.31%</b>	<b>13,472.12</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 (657 m<sup>3</sup>/day) 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>	456 L/min (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>	456 L/min (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 2024**

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	17.65	2.69%	23.84	3.63%	547.22
February	17.79	2.71%	20.55	3.13%	515.85
March	18.72	2.85%	22.68	3.45%	580.24
April	20.86	3.18%	42.77	6.51%	625.92
May	19.68	3.00%	27.93	4.25%	610.01
June	17.56	2.67%	22.05	3.36%	526.75
July	18.13	2.76%	29.13	4.44%	562.14
August	16.46	2.51%	25.38	3.87%	510.25
September	17.03	2.59%	31.27	4.76%	510.99
October	16.21	2.47%	26.14	3.98%	502.48
November	20.81	3.17%	37.55	5.72%	499.33
December	14.80	2.25%	17.30	2.63%	458.75
<b>2024</b>	<b>17.97</b>	<b>2.74%</b>	<b>42.77</b>	<b>6.51%</b>	<b>6,449.93</b>

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable daily raw water volume for Well #1 (656.64 m<sup>3</sup>/day)

**Table 5. Raw Water (Well #1 PW1) Annual and Monthly Average and Maximum Flowrates for 2024**

Raw Water Flowrate – Well #1		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	3.51	6.44
February	3.59	6.46
March	3.76	6.43

<b>Raw Water Flowrate – Well #1</b>		
<b>Timeframe</b>	<b>Average Flowrate (L/sec)</b>	<b>Maximum Flowrate (L/sec)</b>
April	3.85	6.64
May	4.07	6.24
June	3.85	5.99
July	3.52	6.59
August	3.56	6.58
September	3.96	6.27
October	3.77	6.83
November	3.82	6.29
December	4.25	6.37
<b>2024</b>	<b>3.79</b>	<b>6.83</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 (7.6 L/sec).

**Table 6. Raw Water (Well #2) Monthly Average, Maximum Flow and Total Volume for 2024**

<b>Raw Water Flow – Well #2</b>					
<b>Timeframe</b>	<b>Average Flow (m<sup>3</sup>/day)</b>	<b>Percent of Allowable Volume</b>	<b>Maximum Flow (m<sup>3</sup>/day)</b>	<b>Percent of Allowable Volume</b>	<b>Total Volume (m<sup>3</sup>)</b>
January	19.99	3.04%	27.50	4.19%	619.75
February	20.16	3.07%	24.08	3.67%	584.57
March	21.41	3.26%	26.01	3.96%	663.61
April	23.33	3.55%	31.51	4.80%	699.85
May	23.22	3.54%	35.91	5.47%	719.89
June	20.68	3.15%	26.82	4.08%	620.34
July	20.64	3.14%	34.66	5.28%	639.89
August	18.26	2.78%	28.46	4.33%	565.91
September	16.86	2.57%	23.87	3.64%	505.88
October	16.59	2.53%	22.94	3.49%	514.40
November	12.40	1.89%	25.00	3.81%	372.13
December	16.64	2.53%	19.85	3.02%	515.97
<b>2024</b>	<b>19.18</b>	<b>2.92%</b>	<b>35.91</b>	<b>5.47%</b>	<b>7,022.19</b>

A review of flow information for the reporting period indicates that the system operated within the PTTW’s maximum allowable daily raw water volume for Well #2 (656.64 m<sup>3</sup>/day).

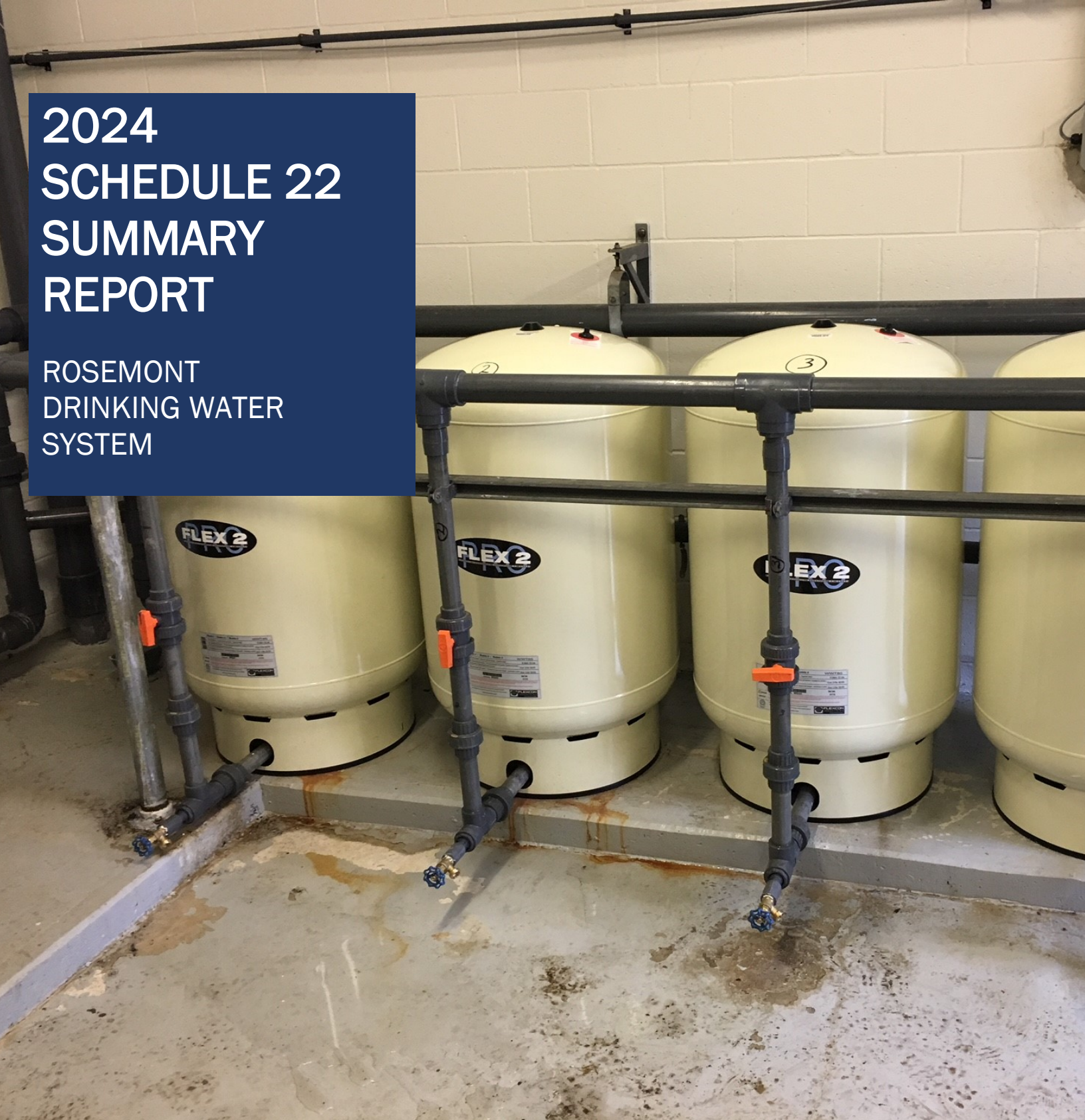
**Table 7. Raw Water (Well #2) Annual and Monthly Average and Maximum Flowrates for 2024**

<b>Raw Water Flowrate – Well #2</b>		
<b>Timeframe</b>	<b>Average Flowrate (L/sec)</b>	<b>Maximum Flowrate (L/sec)</b>
January	3.27	3.80
February	3.33	4.36
March	3.31	3.79
April	3.36	6.54
May	3.34	3.90
June	3.30	3.92
July	3.32	3.90
August	3.33	3.86
September	3.13	5.65
October	3.56	7.17
November	4.14	5.58
December	4.32	4.83
<b>2024</b>	<b>3.48</b>	<b>7.17</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 (7.6 L/sec).

# 2024 SCHEDULE 22 SUMMARY REPORT

ROSEMONT  
DRINKING WATER  
SYSTEM



For the period of  
January 1<sup>st</sup>, 2024 to December 31<sup>st</sup>, 2024

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>	220003859
<b>Drinking-Water System Name:</b>	Rosemont 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, 2024 – December 31, 2024

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

A Ministry of Environment, Conservation and Parks (MECP) Drinking Water System Inspection was conducted on July 16, 2024 for the period covering June 7, 2023 to July 16, 2024. On October 9, 2024 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 2023/2024 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 Rosemont 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>	097-105 (Issue Number: 4)
<b>Allowable Rated Capacity:</b>	85 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 2024**

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	23.68	27.86%	30.95	36.41%	734.20
February	26.75	31.47%	43.87	51.61%	775.77
March	21.06	24.78%	49.50	58.24%	652.72
April	22.67	26.67%	49.67	58.44%	680.18
May	27.28	32.09%	50.35	59.24%	845.62
June	27.70	32.59%	51.09	60.11%	831.04
July	26.18	30.80%	52.53	61.80%	811.46
August	27.90	32.82%	52.07	61.26%	864.93
September	26.89	31.64%	48.56	57.13%	806.69
October	24.10	28.35%	44.01	51.78%	746.96
November	26.84	31.58%	41.83	49.21%	805.27
December	26.59	31.28%	41.27	48.55%	824.39
<b>2024</b>	<b>25.63</b>	<b>30.15%</b>	<b>52.53</b>	<b>61.80%</b>	<b>9,379.24</b>

<sup>3A</sup>Treated water flows for the Rosemont DWS are based on the combined raw water well water flows for Well #1 (PW1A) and Well #2 (PW3A). There is only one set of pumps (one 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 (85 m<sup>3</sup>/day), 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>	3283-C7ZPGH
<b>Allowable Maximum Raw Water Volume - Well #1: PW1A</b>	33 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate - Well #1: PW1A</b>	23 L/min (0.38 L/sec)
<b>Allowable Maximum Raw Water Volume - Well #2: PW3A</b>	52 m <sup>3</sup> /day
<b>Allowable Maximum Raw Water Flowrate - Well #2: PW3A</b>	36 L/min (0.60 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 (PW1A) Monthly Average, Maximum Flow and Total Volume for 2024**

<b>Raw Water Flow – Well #1 (PW1A)</b>					
<b>Timeframe</b>	<b>Average Flow (m<sup>3</sup>/day)</b>	<b>Percent of Allowable Volume</b>	<b>Maximum Flow (m<sup>3</sup>/day)</b>	<b>Percent of Allowable Volume</b>	<b>Total Volume (m<sup>3</sup>)</b>
January	0.65	1.97%	7.72	23.39%	20.16
February	11.66	35.33%	21.51	65.18%	338.18
March	11.08	33.58%	21.84	66.18%	343.55
April	11.51	34.88%	22.29	67.55%	345.20
May	12.12	36.73%	22.47	68.09%	375.57
June	12.23	37.06%	22.73	68.88%	366.99
July	11.35	34.39%	22.36	67.76%	351.81
August	12.21	37.00%	22.29	67.55%	378.38
September	11.82	35.82%	21.14	64.06%	354.55
October	10.98	33.27%	20.02	60.67%	340.31
November	12.83	38.88%	20.39	61.79%	384.76
December	13.50	40.91%	20.86	63.21%	418.47
<b>2024</b>	<b>10.99</b>	<b>33.30%</b>	<b>22.73</b>	<b>68.88%</b>	<b>4,017.93</b>

A review of flow information for the reporting period indicates that Well #1- PW1A operated within the PTTW's maximum allowable daily raw water volume (33 m<sup>3</sup>/day).

**Table 5. Raw Water Well #1 (PW1A) Annual and Monthly Average and Maximum Flowrates for 2024**

Raw Water Flowrate – Well #1 (PW1A)		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.12	0.71 <sup>5A</sup>
February	0.24	0.40 <sup>5B</sup>
March	0.24	0.39 <sup>5C</sup>
April	0.24	0.39 <sup>5D</sup>
May	0.24	0.39 <sup>5E</sup>
June	0.26	0.38
July	0.25	0.38
August	0.27	0.45 <sup>5F</sup>
September	0.24	0.47 <sup>5G</sup>
October	0.21	0.44 <sup>5H</sup>
November	0.25	0.37
December	0.24	0.43 <sup>5I</sup>
<b>2024</b>	<b>0.23</b>	<b>0.71<sup>5A</sup></b>

A review of flow information for the reporting period indicates that the system operated within the PTTW's maximum allowable raw water flowrate (0.38 L/sec) for Well #1 (PW1A) with the exception of:

- <sup>5A</sup>January 11 - flowrate exceedance was for a short duration due to maintenance activities; raw water was flushed to waste
- <sup>5B</sup>February 7 - flowrate exceedance was for a short duration due to maintenance activities; raw water was flushed to waste
- <sup>5C</sup>March 3, 7 and 10 - flowrate exceedances were for a short duration due to well pump startups
- <sup>5D</sup>April 21 and 23 - flowrate exceedances were for a short duration due to well pump startups
- <sup>5E</sup>May 20 - flowrate exceedance was for a short duration due to well pump startup
- <sup>5F</sup>August 24 and 26 - flowrate exceedances were for a short duration due to well pump startups
- <sup>5F</sup>August 30 - flowrate exceedance was for a short duration due to maintenance activities; raw water was flushed to waste
- <sup>5G</sup>September 17 - flowrate exceedance was for a short duration due to maintenance activities; raw water was flushed to waste
- <sup>5H</sup>October 17 - flowrate exceedance was due to swabbing and flushing activities in the distribution system
- <sup>5I</sup>December 24- flowrate exceedance was for a short duration due to well pump startup



**Table 6. Raw Water Well #2 (PW3A) Monthly Average, Maximum Flow and Total Volume for 2024**

Raw Water Flow – Well #2 (PW3A)					
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	23.03	44.29%	26.65	51.25%	714.04
February	15.09	29.02%	25.12	48.31%	437.59
March	9.97	19.17%	27.66	53.19%	309.17
April	11.17	21.48%	27.60	53.08%	334.98
May	15.16	29.15%	28.04	53.92%	470.05
June	15.47	29.75%	28.36	54.54%	464.05
July	14.83	28.52%	30.17	58.02%	459.65
August	15.70	30.19%	29.78	57.27%	486.55
September	15.07	28.98%	27.42	52.73%	452.14
October	13.12	25.23%	23.99	46.13%	406.65
November	14.02	26.96%	21.44	41.23%	420.51
December	13.09	25.17%	20.71	39.83%	405.92
<b>2024</b>	<b>14.64</b>	<b>28.15%</b>	<b>30.17</b>	<b>58.02%</b>	<b>5,361.31</b>

A review of flow information for the reporting period indicates that the system operated within the PTTW’s maximum allowable daily raw water volume (52 m<sup>3</sup>/day) for Well #2 (PW3A).

**Table 7. Raw Water Well #2 (PW3A) Annual and Monthly Average and Maximum Flowrates for 2024**

Raw Water Flowrate – Well #2 (PW3A)		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.29	0.52
February	0.31	0.43
March	0.30	0.42
April	0.29	0.40
May	0.31	0.40
June	0.33	0.44
July	0.32	0.38
August	0.34	0.38
September	0.31	0.47
October	0.26	0.37
November	0.27	0.34
December	0.24	0.43
<b>2024</b>	<b>0.30</b>	<b>0.52</b>

A review of flow information for the reporting period indicates that the system operated within the PTTW’s maximum allowable raw water flowrate (0.60 L/sec) for Well #2 (PW3A).