

2024 SCHEDULE 22 SUMMARY REPORT

SHELBURNE
DRINKING WATER
SYSTEM



For the period of
January 1st, 2024 to December 31st, 2024

Prepared for the Corporation of the Town of Shelburne by the Ontario Clean Water Agency



A People Place, A Change of Pace
SHELBURNE
ONTARIO, CANADA



ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

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:

Drinking-Water System Number:	220004965
Drinking-Water System Name:	Shelburne Drinking Water System
Drinking-Water System Owner:	The Corporation of the Town of Shelburne
Drinking-Water System Category:	Large Municipal Residential
Period being reported:	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 15, 2024 for the period covering April 15, 2023 to June 7, 2024. On June 25, 2024 the Inspection Report was issued and an Inspection Summary Rating Record (IRR) of 99.24% 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
<p>Non-compliance with DWWP 109-201 Schedule B, Section 3.5. which requires that the distribution map drawings be updated to include any watermain additions, modifications, replacements and extension within 12 months of the addition, modification, replacement or extension.</p> <p>The owner did not have up-to-date documents describing the distribution components in accordance with the Drinking Water Works Permit.</p>	N/A	<ul style="list-style-type: none"> The Owner was required to, by July 31, 2024, have the Shelburne Water Distribution Map updated and provide a copy to the Ministry Signing Officer of any modifications, additions, replacements and/or extensions that were completed over 12 months ago but not yet incorporated into the map. On July 2, 2024 an updated Shelburne Water Distribution Map was sent by the Town of Shelburne to the Ministry Signing Officer.

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 Shelburne Drinking Water System Annual Report (Section 11).

2. Assessment of Flowrates and Quantity of Water Supplied

The following tables (Table 3 to 20) 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

Municipal Drinking Water License (MDWL):	109-101 (Issue Number: 6)
Allowable Rated Capacity PH1:	2,261 m ³ /day
Allowable Rated Capacity PH3:	1,309 m ³ /day
Allowable Rated Capacity PH5/6:	1,987 m ³ /day
Allowable Rated Capacity PH7/8:	1,635 m ³ /day
Allowable Flowrate into Treatment System:	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 (Well PH 1) Annual and Monthly Average and Maximum Flows with Comparison to Rated Capacity and Total Volume for 2024^{3A}

Treated Water Flow – Well PH 1					
Timeframe	Average Flow (m ³ /day)	Percent of Rated Capacity	Maximum Flow (m ³ /day)	Percent of Rated Capacity	Total Volume (m ³)
January	0.00	0.00%	0.00	0.00%	0.00
February	0.00	0.00%	0.00	0.00%	0.00
March	0.00	0.00%	0.00	0.00%	0.00

Treated Water Flow – Well PH 1					
Timeframe	Average Flow (m ³ /day)	Percent of Rated Capacity	Maximum Flow (m ³ /day)	Percent of Rated Capacity	Total Volume (m ³)
April	0.00	0.00%	0.00	0.00%	0.00
May	0.00	0.00%	0.00	0.00%	0.00
June	0.00	0.00%	0.00	0.00%	0.00
July	0.00	0.00%	0.00	0.00%	0.00
August	0.00	0.00%	0.00	0.00%	0.00
September	0.00	0.00%	0.00	0.00%	0.00
October	0.00	0.00%	0.00	0.00%	0.00
November	0.00	0.00%	0.00	0.00%	0.00
December	0.00	0.00%	0.00	0.00%	0.00
2024	0.00	0.00%	0.00	0.00%	0.00

^{3A}Pumphouse/Well PW1 was offline for the duration of 2024 and has been offline since January, 2020. The well is currently undergoing rehabilitation and testing to bring it back to its original flowrates.

Table 4. Treated Water (Well PH 3) Annual and Monthly Average and Maximum Flows with Comparison to Rated Capacity and Total Volume for 2024^{4A}

Treated Water Flow – Well PH 3					
Timeframe	Average Flow (m ³ /day)	Percent of Rated Capacity	Maximum Flow (m ³ /day)	Percent of Rated Capacity	Total Volume (m ³)
January	0.00	0.00%	0.00	0.00%	0.00
February	0.00	0.00%	0.00	0.00%	0.00
March	0.00	0.00%	0.00	0.00%	0.00
April	0.00	0.00%	0.00	0.00%	0.00
May	0.00	0.00%	0.00	0.00%	0.00
June	0.00	0.00%	0.00	0.00%	0.00
July	0.00	0.00%	0.00	0.00%	0.00
August	0.00	0.00%	0.00	0.00%	0.00
September	0.00	0.00%	0.00	0.00%	0.00
October	0.00	0.00%	0.00	0.00%	0.00
November	0.00	0.00%	0.00	0.00%	0.00
December	0.00	0.00%	0.00	0.00%	0.00
2024	0.00	0.00%	0.00	0.00%	0.00

^{4A}Pumphouse/Well PH3 was offline for the duration of 2024 and has been offline since April, 2020. The well is currently undergoing upgrades. Commissioning was scheduled for 2024 but has been delayed to early 2025.

Table 5. Treated Water (Well PH 5/6) Annual and Monthly Average and Maximum Flows with Comparison to Rated Capacity and Total Volume for 2024

Treated Water Flow – Well PH 5/6					
Timeframe	Average Flow (m ³ /day)	Percent of Rated Capacity	Maximum Flow (m ³ /day)	Percent of Rated Capacity	Total Volume (m ³)
January	758.86	38.19%	1027.59	51.72%	23524.59
February	717.46	36.11%	1027.52	51.71%	20806.20
March	727.08	36.59%	1027.59	51.72%	22539.45
April	797.19	40.12%	1027.60	51.72%	23915.83
May	929.84	46.80%	1027.63	51.72%	28825.07
June	902.85	45.44%	1027.61	51.72%	27085.58
July	835.49	42.05%	1027.59	51.72%	25900.17
August	811.86	40.86%	1027.60	51.72%	25167.57
September	875.59	44.07%	1027.60	51.72%	26267.82
October	761.75	38.34%	1027.61	51.72%	23614.14
November	730.05	36.74%	1027.53	51.71%	21901.58
December	803.59	40.44%	1028.02	51.74%	24911.44
2024	804.53	40.49%	1028.02	51.74%	294459.44

Treated water flow and flowrate data for Well PH 5/6 is based off the raw water flow and flowrate data from each well and then combined. There is only one set of pumps responsible for the raw water taking for each well, 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 Well PH 5/6 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.

Table 6. Treated Water (Well PH 7/8) Annual and Monthly Average and Maximum Flows with Comparison to Rated Capacity and Total Volume for 2024

Treated Water Flow – Well PH 7/8					
Timeframe	Average Flow (m ³ /day)	Percent of Rated Capacity	Maximum Flow (m ³ /day)	Percent of Rated Capacity	Total Volume (m ³)
January	1397.31	85.46%	1554.51	95.08%	43316.58
February	1438.66	87.99%	1554.21	95.06%	41721.03
March	1485.42	90.85%	1553.98	95.04%	46048.03
April	1516.91	92.78%	1554.55	95.08%	45507.28
May	1533.27	93.78%	1554.25	95.06%	47531.48
June	1552.20	94.94%	1554.94	95.10%	46566.06
July	1521.81	93.08%	1554.91	95.10%	47175.97

Treated Water Flow – Well PH 7/8					
Timeframe	Average Flow (m³/day)	Percent of Rated Capacity	Maximum Flow (m³/day)	Percent of Rated Capacity	Total Volume (m³)
August	1514.52	92.63%	1554.68	95.09%	46950.09
September	1497.22	91.57%	1554.42	95.07%	44916.63
October	1454.45	88.96%	1554.64	95.09%	45088.07
November	1432.61	87.62%	1554.46	95.07%	42978.2
December	1455.11	89.00%	1554.27	95.06%	45108.56
2024	1483.36	90.73%	1554.94	95.10%	542907.98

Treated water flow and flowrate data for Well PH 7/8 is based off the raw water flow and flowrate data from each well and then combined. There is only one set of pumps responsible for the raw water taking for each well, 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 Well PH 7/8 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 subsystem(s) can be found in Table 8, Table 10, Table 12, Table 14, Table 16 and Table 18. 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

Permit to Take Water Number (PTTW):	P-300-1082818689
Allowable Maximum Raw Water Volume - Well PW1:	1,642.00 m ³ /day
Allowable Maximum Raw Water Flowrate - Well PW1:	1,140 L/min (19.00 L/sec)
Allowable Maximum Volume of Raw Water - Well PW3:	1,309.00 m ³ /day
Allowable Maximum Raw Water Flowrate – Well PW3:	909 L/min (15.15 L/sec)
Allowable Maximum Volume of Raw Water - Well PW5:	1,964.00m ³ /day
Allowable Maximum Raw Water Flowrate – Well PW5:	1,364 L/min (22.73 L/sec)
Allowable Maximum Volume of Raw Water - Well PW6:	1,964.00 m ³ /day
Allowable Maximum Raw Water Flowrate – Well PW6:	1,364 L/min (22.73 L/sec)
Allowable Maximum Volume of Raw Water - Well PW7:	1,635.00 m ³ /day
Allowable Maximum Raw Water Flowrate – Well PW7:	1,135 L/min (18.92 L/sec)
Allowable Maximum Volume of Raw Water - Well PW8:	1,635.00 m ³ /day
Allowable Maximum Raw Water Flowrate – Well PW8:	1,135 L/min (18.92 L/sec)
Allowable Maximum Raw Water Volume for any Combination of Wells PW7 and PW8:	1,635.00 m ³ /day

Allowable Maximum Raw Water Volume for any Combination of Wells:	6,550.00 m ³ /day
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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 7. Raw Water (Well PW1) Monthly Average, Maximum Flow and Total Volume for 2024^{7A}

Raw Water Flow – Well PW1					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	0.00	0.00%	0.00	0.00%	0.00
February	0.00	0.00%	0.00	0.00%	0.00
March	0.00	0.00%	0.00	0.00%	0.00
April	0.00	0.00%	0.00	0.00%	0.00
May	0.00	0.00%	0.00	0.00%	0.00
June	0.00	0.00%	0.00	0.00%	0.00
July	0.00	0.00%	0.00	0.00%	0.00
August	0.00	0.00%	0.00	0.00%	0.00
September	0.00	0.00%	0.00	0.00%	0.00
October	0.00	0.00%	0.00	0.00%	0.00
November	0.00	0.00%	0.00	0.00%	0.00
December	0.00	0.00%	0.00	0.00%	0.00
2024	0.00	0.00%	0.00	0.00%	0.00

^{7A}Pumphouse/ Well PW1 was offline for the duration of 2024 and has been offline since January, 2020. The well is currently undergoing rehabilitation and testing to bring it back to its original flowrates.

A review of flow information for the reporting period indicates that the system operated within the maximum allowable daily raw water volume listed in PTTW P-300-1082818689 for Well PW1.

Table 8. Raw Water (Well PW1) Annual and Monthly Average and Maximum Flowrates for 2024^{8A}

Raw Water Flowrate – Well PW1		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.00	0.00
February	0.00	0.00
March	0.00	0.00
April	0.00	0.00
May	0.00	0.00
June	0.00	0.00

Raw Water Flowrate – Well PW1		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
July	0.00	0.00
August	0.00	0.00
September	0.00	0.00
October	0.00	0.00
November	0.00	0.00
December	0.00	0.00
2024	0.00	0.00

^{8A}Pumphouse/ Well PW1 was offline for the duration of 2024 and has been offline since January, 2020. The well is currently undergoing rehabilitation and testing to bring it back to its original flowrates.

A review of flow information for the reporting period indicates that the system operated within the maximum allowable raw water flowrate listed in PTTW P-300-1082818689 for Well PW1.

Table 9. Raw Water (Well PW3) Monthly Average, Maximum Flow and Total Volume for 2024^{9A}

Raw Water Flow – Well PW3					
Timeframe	Average Flow (m³/day)	Percent of Allowable Volume	Maximum Flow (m³/day)	Percent of Allowable Volume	Total Volume (m³)
January	0.00	0.00%	0.00	0.00%	0.00
February	0.00	0.00%	0.00	0.00%	0.00
March	0.00	0.00%	0.00	0.00%	0.00
April	0.00	0.00%	0.00	0.00%	0.00
May	286.19	21.86%	600.75	45.89%	1144.76
June	687.90	52.55%	1154.38	88.19%	13070.08
July	885.91	67.68%	1155.31	88.26%	11516.88
August	0.00	0.00%	0.00	0.00%	0.00
September	0.00	0.00%	0.00	0.00%	0.00
October	0.00	0.00%	0.00	0.00%	0.00
November	0.00	0.00%	0.00	0.00%	0.00
December	0.00	0.00%	0.00	0.00%	0.00
2024	620.00	47.36%	1155.31	88.26%	25731.72

^{9A}Pumphouse/Well PH3 was offline for the duration of 2024 and has been offline since April, 2020. The well is currently undergoing upgrades. Commissioning was scheduled for 2024 but has been delayed to early 2025. The above water usage reported in May-July was for performance testing of the well and any raw water used was ran to waste and not directed to users.

A review of flow information for the reporting period indicates that the system operated within the maximum allowable daily raw water volume listed in PTTW P-300-1082818689 for Well PW3.

Table 10. Raw Water (Well PW3) Annual and Monthly Average and Maximum Flowrates for 2024^{10A}

Raw Water Flowrate – Well PW3		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	0.00	0.00
February	0.00	0.00
March	0.00	0.00
April	0.00	0.00
May	14.63	14.98
June	13.41	14.98
July	13.20	13.66
August	0.00	0.00
September	0.00	0.00
October	0.00	0.00
November	0.00	0.00
December	0.00	0.00
2024	13.75	14.98

^{10A}Pumphouse/Well PH3 was offline for the duration of 2024 and has been offline since April, 2020. The well is currently undergoing upgrades. Commissioning was scheduled for 2024 but has been delayed to early 2025. The above water usage reported in May-July was for performance testing of the well and any raw water used was ran to waste and not directed to users.

A review of flow information for the reporting period indicates that the system operated within the maximum allowable raw water flowrate listed in PTTW P-300-1082818689 for Well PW3.

Table 11. Raw Water (Well PW5) Monthly Average, Maximum Flow and Total Volume for 2024

Raw Water Flow – Well PW5					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	283.01	14.41%	996.59	50.74%	8773.24
February	174.55	8.89%	1027.52	52.32%	5061.95
March	415.82	21.17%	1027.59	52.32%	12890.44
April	432.62	22.03%	1027.60	52.32%	12978.55
May	552.66	28.14%	1027.61	52.32%	17132.40
June	510.06	25.97%	1027.61	52.32%	15301.94
July	288.81	14.71%	711.72	36.24%	8953.08
August	367.95	18.73%	1027.60	52.32%	11406.45
September	522.73	26.62%	1027.60	52.32%	15681.86
October	361.20	18.39%	789.67	40.21%	11197.16

Raw Water Flow – Well PW5					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
November	391.58	19.94%	832.73	42.40%	11747.44
December	392.98	20.01%	1013.02	51.58%	12182.53
2024	391.16	19.92%	1027.61	52.32%	143307.04

A review of flow information for the reporting period indicates that the system operated within the maximum allowable daily raw water volume listed in PTTW P-300-1082818689 for Well PW5.

Table 12. Raw Water (Well PW5) Annual and Monthly Average and Maximum Flowrates for 2024

Raw Water Flowrate – Well PW5		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	7.72	12.01
February	4.17	12.96
March	10.06	12.15
April	10.40	12.26
May	10.15	12.67
June	10.50	13.99
July	8.17	13.29
August	9.93	18.08
September	10.90	12.78
October	10.44	12.19
November	10.39	12.22
December	8.96	13.99
2024	9.32	18.08

A review of flow information for the reporting period indicates that the system operated within the maximum allowable raw water flowrate listed in PTTW P-300-1082818689 for Well PW5.

Table 13. Raw Water (Well PW6) Monthly Average, Maximum Flow and Total Volume for 2024

Raw Water Flow – Well PW6					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	475.85	24.23%	1027.59	52.32%	14751.35
February	542.91	27.64%	1027.51	52.32%	15744.26
March	311.26	15.85%	937.66	47.74%	9649.01

Raw Water Flow – Well PW6					
Timeframe	Average Flow (m³/day)	Percent of Allowable Volume	Maximum Flow (m³/day)	Percent of Allowable Volume	Total Volume (m³)
April	364.58	18.56%	1027.53	52.32%	10937.27
May	377.18	19.20%	1027.60	52.32%	11692.67
June	392.79	20.00%	1027.59	52.32%	11783.64
July	546.68	27.84%	1027.59	52.32%	16947.08
August	443.91	22.60%	1027.60	52.32%	13761.12
September	352.87	17.97%	1027.54	52.32%	10585.96
October	400.55	20.39%	1027.61	52.32%	12416.99
November	338.47	17.23%	1027.53	52.32%	10154.14
December	410.61	20.91%	1027.59	52.32%	12728.91
2024	413.14	21.04%	1027.61	52.32%	151152.40

A review of flow information for the reporting period indicates that the system operated within the maximum allowable daily raw water volume listed in PTTW P-300-1082818689 for Well PW6.

Table 14. Raw Water (Well PW6) Annual and Monthly Average and Maximum Flowrates for 2024

Raw Water Flowrate – Well PW6		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	10.43	12.02
February	10.75	12.39
March	8.50	12.11
April	9.57	12.02
May	7.75	12.32
June	8.79	12.08
July	11.23	12.31
August	10.44	12.36
September	9.25	12.82
October	11.21	12.37
November	9.20	12.36
December	10.47	13.00
2024	9.80	13.00

A review of flow information for the reporting period indicates that the system operated within the maximum allowable raw water flowrate listed in PTTW P-300-1082818689 for Well PW6.

Table 15. Raw Water (Well PW7) Monthly Average, Maximum Flow and Total Volume for 2024

Raw Water Flow – Well PW7					
Timeframe	Average Flow (m ³ /day)	Percent of Allowable Volume	Maximum Flow (m ³ /day)	Percent of Allowable Volume	Total Volume (m ³)
January	556.86	34.06%	1553.55	95.02%	17262.62
February	862.13	52.73%	1553.59	95.02%	25001.63
March	921.70	56.37%	1553.47	95.01%	28572.68
April	637.96	39.02%	1553.57	95.02%	19138.82
May	569.04	34.80%	1553.54	95.02%	17640.36
June	675.75	41.33%	1553.46	95.01%	20272.57
July	778.73	47.63%	1553.51	95.02%	24140.71
August	801.14	49.00%	1553.44	95.01%	24835.49
September	1033.63	63.22%	1553.55	95.02%	31009.04
October	654.78	40.05%	1553.45	95.01%	20298.32
November	742.08	45.39%	1553.52	95.02%	22262.29
December	630.20	38.54%	1553.54	95.02%	19536.13
2024	738.67	45.18%	1553.59	95.02%	269970.66

A review of flow information for the reporting period indicates that the system operated within the maximum allowable daily raw water volume listed in PTTW P-300-1082818689 for Well PW7.

Table 16. Raw Water (Well PW7) Annual and Monthly Average and Maximum Flowrates for 2024

Raw Water Flowrate – Well PW7		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	12.29	18.23
February	15.64	18.23
March	14.63	18.23
April	9.70	18.54
May	9.38	18.31
June	9.68	18.34
July	11.14	18.71
August	13.47	18.48
September	16.36	18.36
October	14.06	18.61
November	15.14	18.46
December	15.26	18.90
2024	13.06	18.90

A review of flow information for the reporting period indicates that the system operated within the maximum allowable raw water flowrate listed in PTTW P-300-1082818689 for Well PW7.

Table 17. Raw Water (Well PW8) Monthly Average, Maximum Flow and Total Volume for 2024

Raw Water Flow – Well PW8					
Timeframe	Average Flow (m³/day)	Percent of Allowable Volume	Maximum Flow (m³/day)	Percent of Allowable Volume	Total Volume (m³)
January	840.45	51.40%	1553.50	95.01%	26053.96
February	576.53	35.26%	1553.53	95.02%	16719.40
March	563.72	34.48%	1553.42	95.01%	17475.34
April	878.95	53.76%	1553.46	95.01%	26368.46
May	964.23	58.97%	1553.54	95.02%	29891.11
June	876.45	53.61%	1553.53	95.02%	26293.49
July	743.07	45.45%	1553.47	95.01%	23035.26
August	713.37	43.63%	1553.54	95.02%	22114.60
September	463.59	28.35%	1553.40	95.01%	13907.58
October	799.67	48.91%	1553.42	95.01%	24789.76
November	690.53	42.23%	1553.50	95.02%	20715.91
December	824.92	50.45%	1553.43	95.01%	25572.43
2024	744.62	45.54%	1553.54	95.02%	272937.32

A review of flow information for the reporting period indicates that the system operated within the maximum allowable daily raw water volume listed in PTTW P-300-1082818689 for Well PW8.

Table 18. Raw Water (Well PW8) Annual and Monthly Average and Maximum Flowrates for 2024

Raw Water Flowrate – Well PW8		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
January	15.80	18.22
February	12.51	18.23
March	9.95	18.22
April	12.71	18.30
May	14.04	18.28
June	11.52	18.68
July	11.72	18.23
August	12.30	18.55
September	10.31	18.30
October	15.82	18.28
November	14.52	18.29

Raw Water Flowrate – Well PW8		
Timeframe	Average Flowrate (L/sec)	Maximum Flowrate (L/sec)
December	15.84	18.65
2024	13.09	18.68

A review of flow information for the reporting period indicates that the system operated within the maximum allowable raw water flowrate listed in PTTW P-300-1082818689 for Well PW8.

Table 19. Raw Water Monthly Average, Maximum Flow and Total Volume of the Combination of Well 7 and Well 8 (Well PW7 and Well PW8) for 2024^{19A}

Raw Water Flow – Wells 7 and Well 8 (Well PW7, Well PW8)					
Timeframe	Average Flow (m³/day)	Percent of Allowable Volume^{19A}	Maximum Flow (m³/day)	Percent of Allowable Volume^{19A}	Total Volume (m³)
January	1397.31	85.46%	1554.51	95.08%	43316.58
February	1438.66	87.99%	1554.21	95.06%	41721.03
March	1485.42	90.85%	1553.98	95.04%	46048.03
April	1516.91	92.78%	1554.55	95.08%	45507.28
May	1533.27	93.78%	1554.25	95.06%	47531.48
June	1552.20	94.94%	1554.94	95.10%	46566.06
July	1521.81	93.08%	1554.91	95.10%	47175.97
August	1514.52	92.63%	1554.68	95.09%	46950.09
September	1497.22	91.57%	1554.42	95.07%	44916.63
October	1454.45	88.96%	1554.64	95.09%	45088.07
November	1432.61	87.62%	1554.46	95.07%	42978.20
December	1455.11	89.00%	1554.27	95.06%	45108.56
2024	1483.36	90.73%	1554.94	95.10%	542907.98

^{19A}Based on an allowable volume of 1,635.000 m³/day as stipulated in PTTW P-300-1082818689 for the period of January 1, 2024 to December 31, 2024

A review of flow information for the reporting period indicates that the system operated within the maximum allowable daily taking of water listed in PTTW P-300-1082818689 for the combination of well PW7 and well PW8.

Table 20. Raw Water Monthly Average, Maximum Flow and Total Volume of any Combination of Wells (Well PW1, Well PW3, Well PW 5, Well PW 6, Well PW7 and Well PW8) for 2024^{20A}

Raw Water Flow – Any Combination of Wells (Well PW1, Well PW3, Well PW5, Well PW6, Well PW7, Well PW8)					
Timeframe	Average Flow (m³/day)	Percent of Allowable Volume	Maximum Flow (m³/day)	Percent of Allowable Volume	Total Volume (m³)
January	1078.08	16.46%	2582.10	39.42%	66841.17
February	1078.06	16.46%	2581.74	39.42%	62527.24
March	1106.25	16.89%	2581.58	39.41%	68587.48
April	1157.05	17.66%	2582.15	39.42%	69423.11
May	916.43	13.99%	3182.63	48.59%	77501.31
June	1047.65	15.99%	3736.93	57.05%	86721.72
July	1081.07	16.50%	3737.82	57.07%	84593.02
August	1163.19	17.76%	2582.29	39.42%	72117.66
September	1186.41	18.11%	2582.02	39.42%	71184.44
October	1108.10	16.92%	2582.25	39.42%	68702.22
November	1081.33	16.51%	2581.99	39.42%	64879.78
December	1129.35	17.24%	2582.29	39.42%	70020.00
2024	1094.41	16.71%	3737.82	57.07%	863099.15

^{20A}Based on an allowable volume of 6,550.000 m³/day as stipulated in PTTW P-300-1082818689 for the period of January 1, 2024 to December 31, 2024

A review of flow information for the reporting period indicates that the system operated within the maximum allowable daily taking of water listed in PTTW P-300-1082818689 for any combination of wells.