# St. Marys Drinking Water System

Waterworks # 220000521
System Category – Large Municipal Residential

# Annual Drinking Water Report

Prepared For: The Corporation of the Town of St. Marys

Reporting Period of January 1st – December 31st, 2024

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Revision: 0

Operating Authority:

OCWA

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

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# Overview

This report fulfills requirements of Ontario Regulation 170/03 Section 11 and Schedule 22. Appendix A contains the Section 11 report utilizing the Ministry of Environment, Conservation and Parks (MECP) template. The report must be made available to anyone that requests a copy of the report. By March 31st, 2024, the report must be provided to members of municipal council.

# Report Availability

This system does not serve more than 10,000 residence, however the annual reports are available on the municipal website. Notification is provided on the website on the availability of the annual report and copies are provided free of charge if requested. The Municipal Operations Center is located at 408 James St. South, St. Marys, ON.

# System Process Description

## Overview

The Corporation of the Town of St. Marys is the owner of a Large, Municipal, Drinking Water System supplied by a ground water source, which is operated by Ontario Clean Water Agency (OCWA). The system provides potable water to approximately 7,600 residential, industrial, institutional and commercial users.

A total of three (3) bedrock wells are connected to the water distribution system, each equipped with pumping, disinfection and monitoring components. The MECP has classified all three wells as Groundwater Under the Direct Influence of Surface Water (GUDI) with effective in-situ filtration. The remainder of the system consists of a booster pump station (used only during a fire emergency), reservoir pumping station and one elevated water storage tank facility for system pressure regulation.

Each of the well pump houses #1, 2A and 3 have a vertical turbine pump rated at 60 L/s capacity. These pumps draw ground water from each of the three wells. Water passes air release valves, a backflow check valve, pressure gauges, primary UV light disinfection, flow meter, the chlorine gas injection point, actuator control valve and then into the contact chamber piping located underground.

## Well # 1

According to Well Record #5001709, Production Well # 1 (“PW1” – identified as Well # 1) was drilled on March 1, 1971 by International Water Supply Ltd. Well # 1 is located south of the Trout Creek watercourse and east of St. George Street within the Town of St. Marys, Ontario. Well # 1 is located within the 100-year flood plain of Trout Creek. The Well Record indicates that a steel casing was installed and cemented within the borehole annulus to a depth of approximately 12.3 metres below ground surface. Below the 12.3 m steel casing, the borehole was left open within the limestone bedrock. In 2005, a Pumphouse was constructed around Well # 1, at which time the well was extended to an elevation approximately 2 metres above the 100-year flood plain of Trout Creek.

A hydrogeological investigation was conducted by International Water Consultants Ltd. and International Water Supply Ltd. in 2002 for the Town of St. Marys. The hydrogeological investigation indicated that Production Well # 1 (Well # 1) is periodically under the influence of surface water, and has

partially effective in-situ filtration. A final technical evaluation of the hydrogeological investigation and peer review was conducted by the MECP and it was concluded that Well # 1 is GUDI with effective in-situ filtration.

The following is a summary of the appurtenances for Well # 1:

- A 406 millimetre (mm) diameter, 45.5 m deep drilled groundwater production well is located east of the intersection of Timms Lane and St. George Street, immediately south of Trout Creek (NAD83: UTM Zone 17: 0489966 m East, 4789866 m North). The well is equipped with a line-shaft type vertical turbine well pump with variable frequency drive and pump-to-waste functionality. It is rated at a maximum flow of 3,600 litres per minute (L/min), with a 200 mm discharge line connected to the well pump header in the Pumphouse described below;
- A well Pumphouse, housing Well # 1 and the following disinfection and control facilities, including:
    - A 200 mm diameter pump header from the well, with check valve, air relief valve, raw water flow meter, shutoff valves, and raw water and treated water sampling tap;
    - A 100 mm line to waste;
    - A 200 mm diameter treated water header having a continuous chlorine analyzer and turbidity analyzer complete with automatic shutdown of well pump capability, connected to a 200 mm diameter feeder-main supplying the distribution system
- A disinfection facility located approximately 20 m north of the well Pumphouse (inside former reservoir building), housing disinfection and control facilities including:
    - One (1) ultraviolet disinfection system capable of providing a minimum dosage of 40 mJ/cm2 of 254 nm wavelength complete with well pump shutdown on lamp failure;
    - Gas chlorination disinfection system, rated at 24 kg/day, consisting of one dual cylinder scale, one chlorine booster pump, and duplex automatic switchover regulator;
    - 78 m of 600 mm diameter watermain, followed by 26 m of 300 mm diameter watermain to provide chlorine contact prior to first customer;

## Well # 2A

According to the Well Record (A011221), Production Well #2A (PW2A, identified as Well # 2A) was drilled on September 29, 2005 by International Water Supply Ltd. Well # 2A is located to the south of the Trout Creek watercourse and west of the Wellington Street Right-of-Way (ROW) within the 100-year flood plain of Trout Creek. As such, the casing for Well # 2A has been significantly extended above the grade of the surrounding land to account for possible flooding issues. According to information presented on the Well Record, the well is 365 mm in diameter and was drilled to a depth of approximately 46 metres. The Well Record indicates that a steel casing was installed and sealed with bentonite and sand cement grout within the borehole annulus to a depth of approximately 18 metres below grade. Below the 18 metres in depth, the borehole was left open within the limestone bedrock. Well # 2A is classified as a GUDI well.

The following is a summary of the appurtenances for Well # 2A:

- A 305 mm diameter, 44.5 m deep drilled groundwater production well located between the Wellington and Water Street Right-of-Ways (ROWs), north of the Queen Street ROW and immediately south of the Trout Creek watercourse (NAD 83: UTM Zone 17: 0488390 m East, 4789710 m North). Well # 2A is equipped with a line-shaft type vertical turbine well pump, rated at 3,636 L/min at 89.2 m Total Dynamic Head (TDH), with a 200 mm discharge line connected to the well pump header in the Pumphouse described below.
- A well Pumphouse, housing disinfection and control facilities including:

- A 200 mm diameter pump header from the well, with check valve, air relief valve, raw water flow meter, shutoff valves, and raw and treated water sampling tap;
- A 100 mm line to waste;
- A gas chlorination disinfection system, consisting of one dual cylinder scale, one chlorine booster pump, one chlorine regulator, rated at 22.7 kg/day with feed line discharging into the common well pump header in the Pumphouse, and one continuous chlorine residual analyzer;
- One ultraviolet disinfection system capable of providing a minimum dosage of 40 mJ/cm2 of 254 nm wavelength complete with pump shutdown on lamp failure;
- A 200 mm diameter treated water header having a continuous chlorine analyzer and turbidity analyzer complete with automatic shutdown of well pump capability, connected to a 200 mm diameter feeder-main supplying the distribution system.
- 79 metres of 600 mm diameter watermain to provide chlorine contact time prior to the first customer.

## Well #3

According to Well Record #5003118, Production Well # 3 (PW3, identified as Well #3) was drilled on June 10, 1984 by International Water Supply Ltd. This well is located within approximately 50 metres of the western bank of the Thames River, located to the east of Thomas Street and to the north and south of Westover Street and Park Street respectively. The well is within the confines of Pumphouse #3. According to the information presented within the Engineer's Report, the well is 406 mm in diameter and was drilled to a depth of approximately 47.4 m. The Well Record indicates that a steel casing was installed and sealed with grout within the borehole annulus to a depth of approximately 12.3 metres below grade, below which the borehole was left open within the limestone bedrock.

The hydrogeological investigation concluded that Well # 3 is not considered a GUDI well, and is receiving effective in-situ filtration. The hydrogeological investigation did indicate that this conclusion is tempered by a lack of particle count data during significant precipitation events and more elevated total coliforms in 2002. The peer review that was conducted assessed Well # 3 to be a GUDI well with effective in-situ filtration. It is inferred that the peer review reclassification of Well #3 to a GUDI well was based on a lack of particle count data during significant precipitation events.

The following is a summary of the appurtenances for Well #3:

- A 406 mm diameter, 47.4m deep drilled groundwater production well located on the southeast side of Thomas Street, southwest of Park Street, adjacent to the Thames River (NAD 83: UTM Zone 17: 0488010 East, 4789040 North). Well # 3 is equipped with a line-shaft type vertical turbine well pump with variable frequency drive and pump-to-waste functionality. Well # 3 is rated at a maximum flow of 3,636 L/min at 89.2 TDH, with a 200 mm discharge line connected to the well pump header in the Pumphouse described below;
- A well Pumphouse, housing disinfection and control facilities including:
  - A 200 mm diameter pump header from the well, with check valve, air relief valve, raw water flow meter, shutoff valves and raw water and treated water sampling taps;
  - A 200 mm discharge to waste line with pressure relief valve and orifice plate for flow measurement;
  - One (1) ultraviolet disinfection system capable of providing a minimum dosage of 40 mJ/cm2 of 254 nm wavelength complete with well pump shut down on lamp failure;
  - Gas chlorination disinfection system, rated at 24 kg/day, consisting of one (1) dual cylinder scale, one (1) chlorine booster pump and duplex automatic switchover regulator;

- A 200 mm diameter treated water header having a continuous chlorine analyzer and turbidity analyzer complete with automatic shutdown of well pump capability, connected to a 200 mm diameter feeder main supplying the distribution system.
- 171 m of 400 mm diameter watermain, followed by 40 m of 300 mm diameter watermain to provide chlorine contact prior to first customer.

## Booster Station

The James Street Booster Station provides additional system pressure to the south industrial lands when private fire systems are activated. It has a rated capacity of 154L/s at 52 m TDH. This facility serves industrial lands within the southeast area of the Town.

## Reservoir

A ground level reservoir and booster pumping station was completed in 2019 to add an additional 1,600 $m^3$ of water storage to the system. The reservoir is located next to the existing Well #1.

## Water Tower

The St. Marys elevated water storage facility is located on the Southern side of the Victoria Street Right-Of-Way (ROW), approximately 250 m west of James Street South in the Town of St. Marys, Ontario. It has a storage capacity of 1,820 $m^3$ and was constructed in 1986 and put into service in 1987. The static water head from the ground level to the overflow is 37.9 m. The facility includes a valve chamber, yard piping and tele-metering control system. The water tower is for system pressure regulation.

## Treatment Chemicals

Chlorine gas is used to achieve primary and secondary disinfection in the St. Marys Drinking Water System. Refer to Table 1 below for supplier information.

*Table 1: Treatment Chemicals in the St. Marys DWS*

| Chemical Name | Use | Supplier |
|---|---|---|
| Chlorine Gas | Disinfection | Brenntag |

# Summary of Non-Compliance

## Adverse Water Quality Incidents

Under the *Safe Drinking Water Act*, O.Reg 170/03, any adverse water quality incidents (AWQI) are required to be reported to the Ministry of the Environment, Conservation and Parks (MECP) and corrective action taken. Refer to Table 2 below for a summary of AWQI incidents in 2024.

*Table 2: AWQI Incidents*

| Date | AWQI # | Location | Problem | Details | Legislation | Corrective Action Taken |
|---|---|---|---|---|---|---|
| May 24, 2024 | 165019 | Hydrant #234 | Total Coliform of 2 CFU/100mL | Regulatory distribution bacti samples returned a Total Coliform count of 2 CFU/100mL | Safe Drinking Water Act Section 18; O.Reg. 170/03 Schedule 16-3 (1) & Schedule 17-6; 2020 Watermain Disinfection Procedure | Disinfected hydrant #234 and flushed system. Re-sampled at source hydrant #234, upstream at hydrant #238 and downstream at hydrand #299. All Total Coliform samples returned 0 CFU/100mL. |

## Non-Compliance

Under the *Safe Drinking Water Act*, O.Reg 170/03, any events where legislative requirements were not met are required to be reported to the MECP and corrective actions taken. Refer to Table 3 below for a summary of non-compliance incidents in 2024 that the operating authority reported to the MECP.

*Table 3: Summary of Non-Compliance Incidents*

| Legislation | Requirement(s) system failed to meet | Duration of the failure (i.e. date(s)) | Corrective Action Taken | Status |
|---|---|---|---|---|
| 2020 Watermain Disinfection Procedure; Drinking Water Works Permit 056-201 – Issue #5 and Issue #6, Schedule B, Section 2.3 | Schedule B of the DWWP, states "All parts of the drinking water system in contact with drinking water that are added, modified, replaced, extended shall be disinfected in accordance with a procedure approved by the Director or in accordance with:<br><br>a) The ministry's Watermain Disinfection Procedure, dated August 1, 2020;<br><br>b) Subject to condition 2.3.2, any updated version of the ministry's Watermain Disinfection Procedure | During replacement of a "T" stub on May 22, 2024, hydrogen peroxide was inadvertently used as a disinfectant, instead of a 1% sodium hypchlorite solution, as required by the 2020 Watermain Disinfection Procedure. | Flushed the system after the replacement and obtained microbiological samples.<br><br>Revised regional disinfection forms to include identification of the Trade Name of the sodium hypochlorite used and to confirm NSF 60 certification. | Complete |

## Non-Compliance Identified in a Ministry Inspection

The routine MECP Inspections have an Inspection Rating Record. This record evaluates the system to provide information for the owner/operator on areas that need to be improved. The particular areas that were evaluated for the St. Marys Drinking Water System were: Capacity Assessment, Distribution

System, Source, Treatment Processes, Operations Manuals, Logbooks, Certification and Training, Water Quality Monitoring, and Reporting and Corrective Actions. This system received 14 out of 644 non-compliance ratings and as such received 92.46% for the Final Inspection Rating.

*Table 4: Non-Compliances Identified in a Ministry Inspection*

| Legislation | Requirement(s) system failed to meet | Duration of the failure (i.e. date(s)) | Corrective Action Required | Status |
|---|---|---|---|---|
| O. Reg 170/03 Schedule 7-2 (3) | The owner of a large municipal residential system that provides secondary disinfection and the operating authority for the system shall ensure that at least seven distribution samples are taken each week in accordance with subsection (4) and are tested immediately for free chlorine residual. | Three (3) of the seven (7) required distribution residual samples scheduled for collection the week of December 17th – 23rd, 2023 were not collected until December 24th, 2023. | From herein the Owner / Operating Authority shall ensure that free chlorine residual testing from the distribution system is conducted as prescribed by Ontario Regulation 170/03 – Schedule 7-2. | Complete |
| 2020 Watermain Disinfection Procedure; Drinking Water Works Permit 056-201 – Issue #5 and Issue #6, Schedule B, Section 2.3 | Schedule B of the DWWP, states "All parts of the drinking water system in contact with drinking water that are added, modified, replaced, extended shall be disinfected in accordance with a procedure approved by the Director or in accordance with:<br><br>a) The ministry's Watermain Disinfection Procedure, dated August 1, 2020;<br><br>b) Subject to condition 2.3.2, any updated version of the ministry's Watermain Disinfection Procedure;<br><br>c) Subject to condition 2.3.3,<br>i. AWWA C652 – Standard for Disinfection of Water-Storage Facilities;<br>ii. AWWA C653 – Standard for Disinfection of Water Treatment Plants;<br>and,<br>iii. AWWA C654 – Standard for Disinfection of Wells." | Well 2A and its appurtenances were disinfected during pump rehabilitation on September 13, 2023. Chlorine residuals were not taken following disinfection to confirm a residual of at least 100 mg/L. | From herein the Owner / Operating Authority shall ensure all parts of the drinking water system that come in contact with the drinking water are disinfected in accordance with the requirements prescribed by Drinking Water Works Permit #056-201, Issues #5 and #6, Schedule B - Section 2.3. Compliance with this requirement will be assessed during the next inspection of the water system. | Complete |

# Flows

## Raw and Treated Water Flows

The raw water flows are regulated under the Permit to Take Water, in which the rated capacity for the system is 60 L/s (3,600L/min) and the maximum total combined taking is 10,368 $m^3$/d. The 2024 daily raw flow was submitted to the Ministry electronically under permit #5303-AASQEC. A copy of the data that was submitted are attached in Appendix B. Refer to Figure 1 for a comparison of the maximum

daily flow taken from each of the three wells to the maximum flow rate permitted by the PTTW. Refer to Figure 2 for the maximum total daily flow taken and the average daily flow taken from all three wells combined.

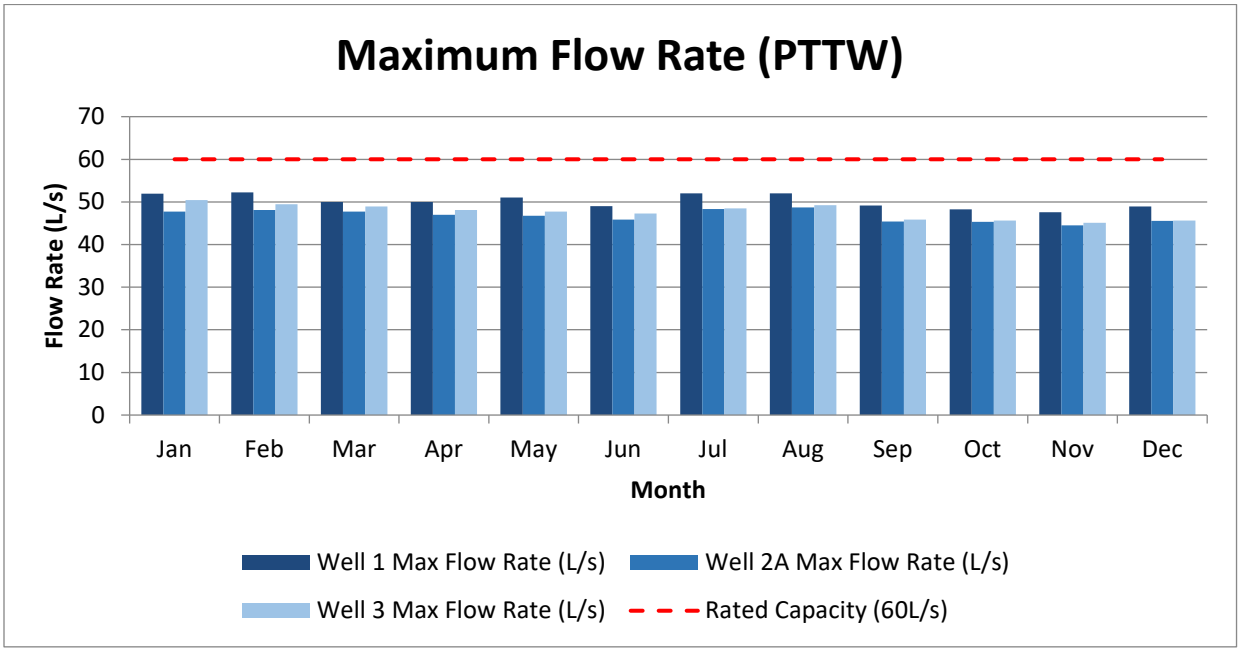


*Figure 1. Maximum Flow Rate from Each Well Compared to the Permitted Maximum Flow by the PTTW*

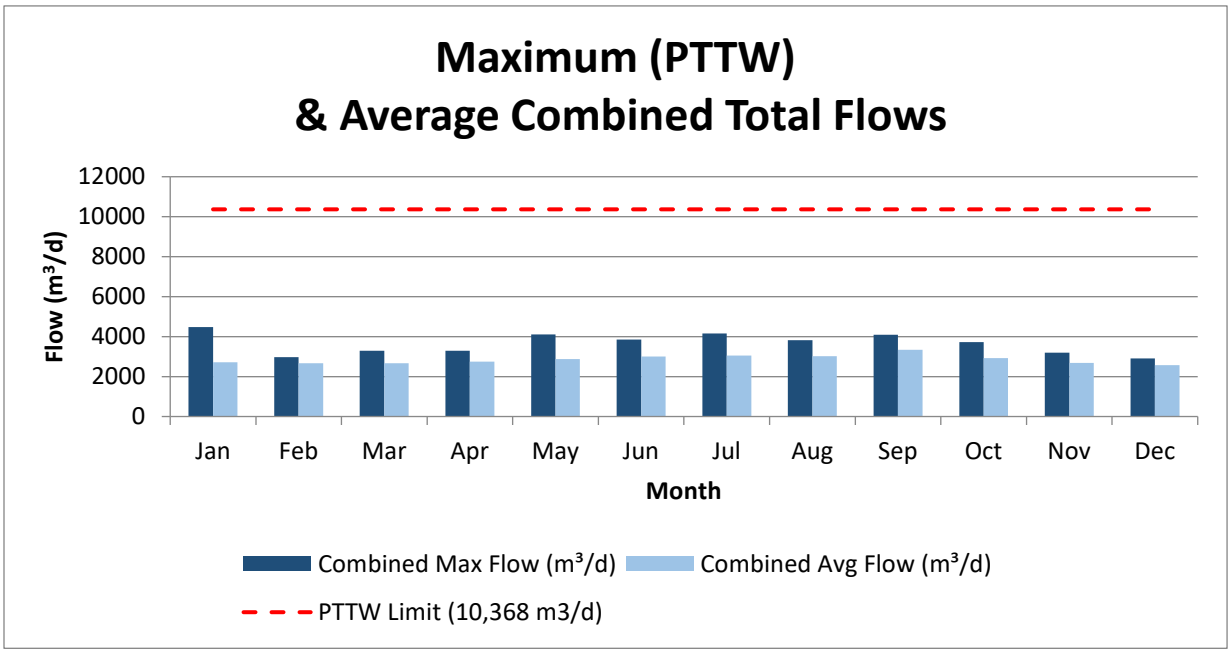


*Figure 2. Maximum and Average Combined Total Flows*

The water that is treated is regulated under the Municipal Drinking Water Licence #056-101, in which the rated capacity for each of the three (3) treatment subsystems is 5,184$m^3$/d, with a total combined taking of 10, 368 $m^3$/d across all treatment subsystems under permit to take water #5303-AASQEC. The St. Marys Drinking Water System is operating at 27.5% of the rated capacity. Note: the raw and treated flows are one in the same as there is only one flowmeter. Refer to Figure 3 for the total volume of water treated at each well.

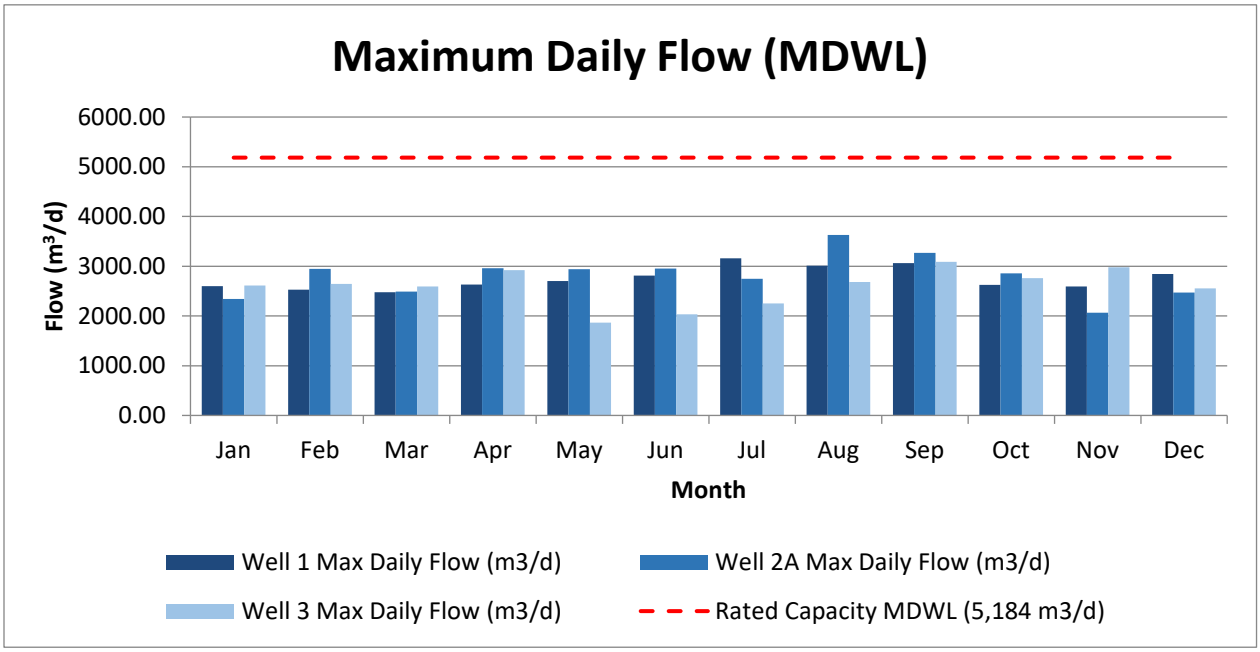


*Figure 3. Total Daily Volume of Water Taken at Each Well*

The PTTW requires weekly levels of the well to be taken at either static level (i.e, while the well is not pumping) or dynamic level (i.e., while the well is pumping). Figures 4 through 6 identify the static and dynamic water levels in each well compared against at the total volume of water taken each month.

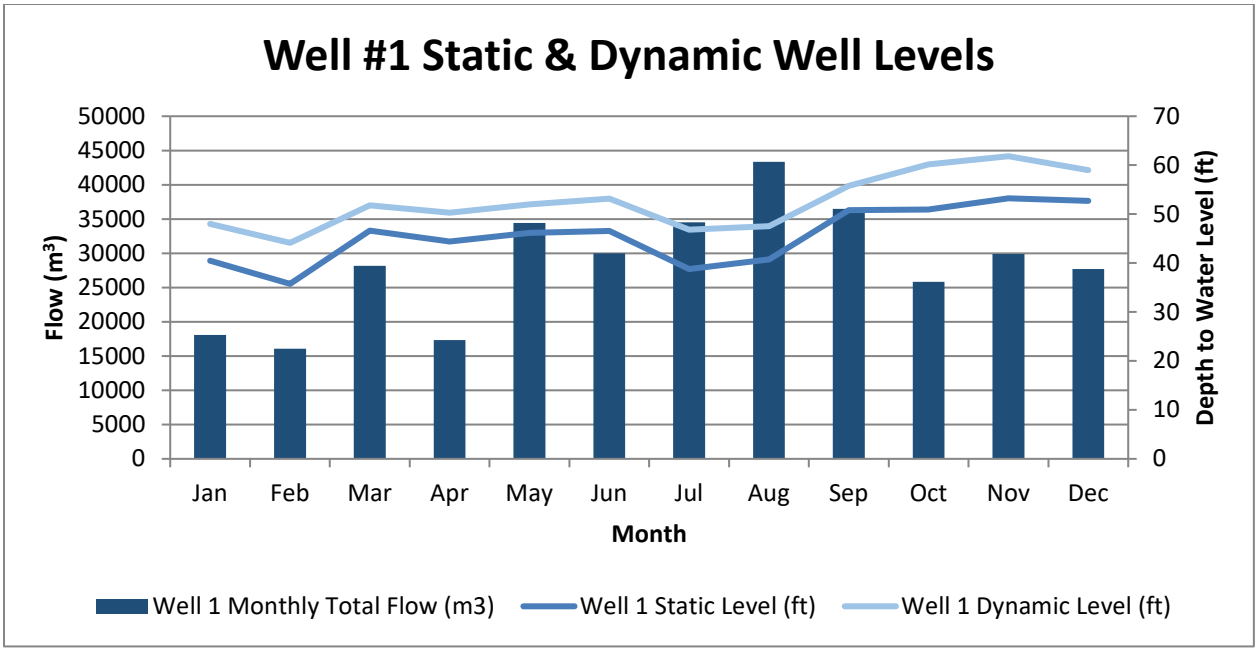


*Figure 4. Well 1 Static and Dynamic Well Levels and Total Volume Taken*

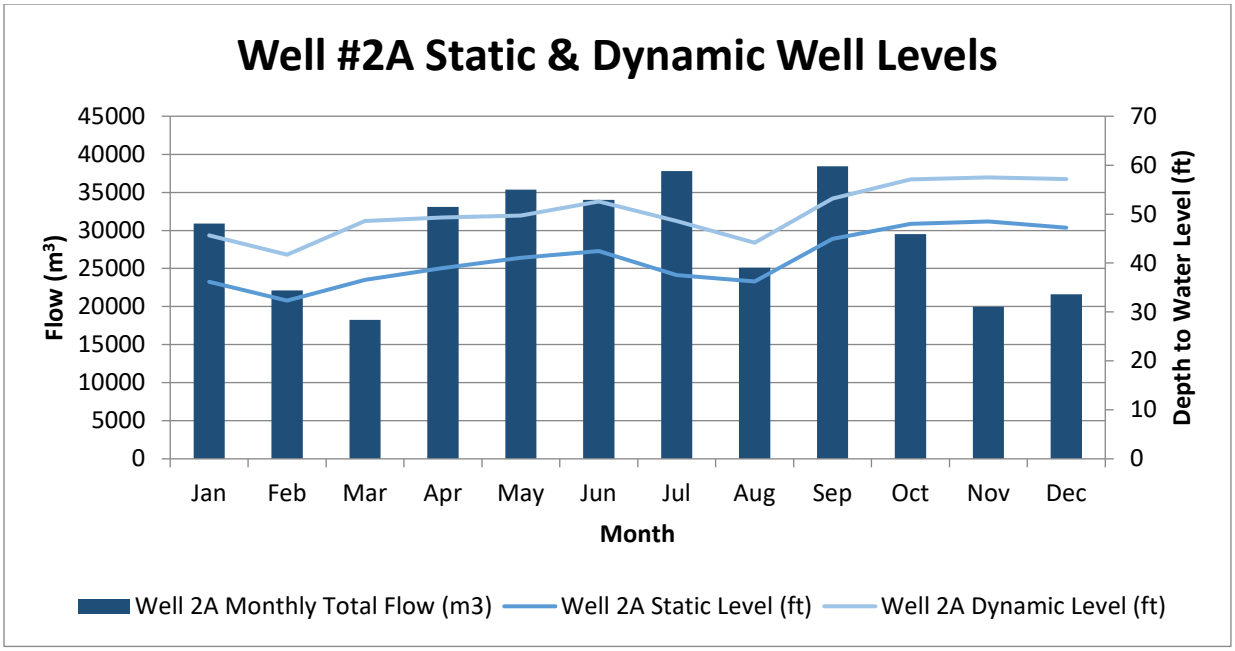


*Figure 5. Well 2A Static and Dynamic Well Levels and Total Volume Taken*

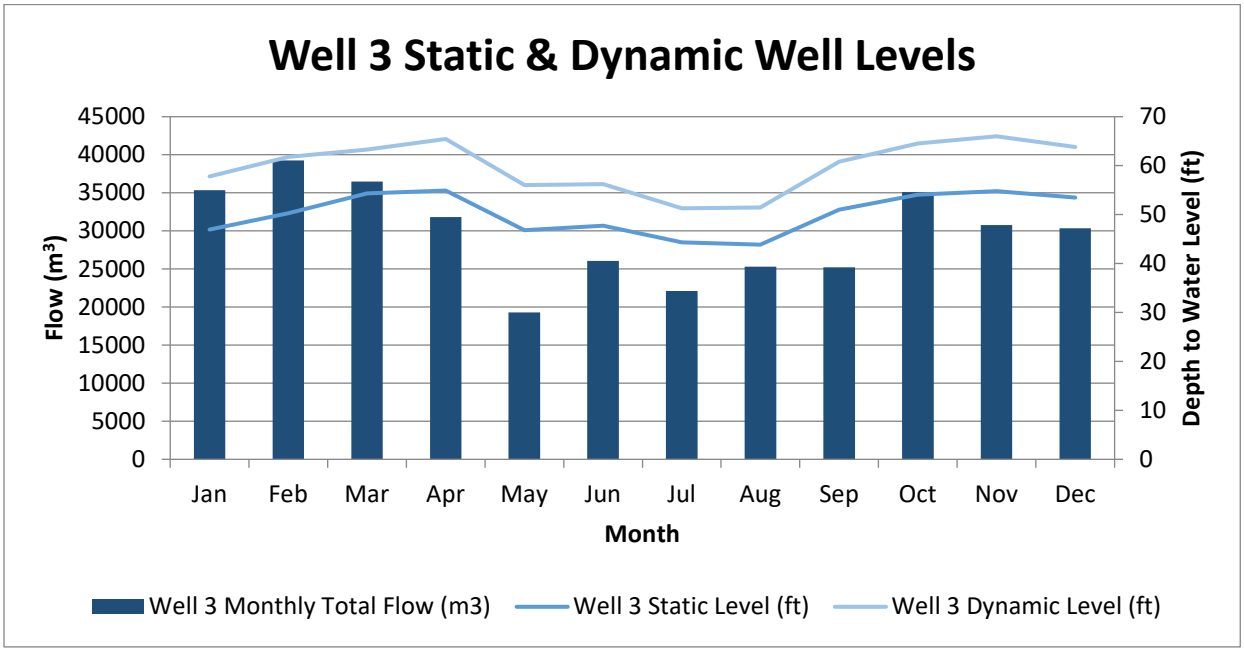


*Figure 6. Well 3 Static and Dynamic Well Levels and Total Volume Taken*

# Regulatory Sample Results Summary

## Microbiological Testing

The raw water from each well is sampled on a weekly basis and tested for *E.coli* and Total Coliforms to meet regulatory requirements. There is no regulatory limit for raw water samples. The St. Marys DWS uses ground water that is periodically under the influence of surface water and therefore concentrations of total coliform and E. coli are expected occasionally, especially after heavy precipitation or snowmelt. Refer to Table 5 for the number of samples taken along with the range of results.

The treated water from each well is sampled on a weekly basis and tested for *E. coli*, Total Coliforms and heterotrophic plate count (HPC) to meet regulatory requirements. The regulatory limit for Total Coliform and E. coli is zero. Heterotrophic Plate Count (HPC) does not have a limit, this is used as an operational guide to initiate an action plan if HPC results are continuously high. Refer to Table 5 for the number of samples taken along with the range of results.

The distribution system is sampled on a weekly basis at various locations for *E. coli*, Total Coliforms and heterotrophic plate count (HPC) to meet regulatory requirements. The regulatory limit for Total Coliform and *E. coli* is zero; Heterotrophic Plate Count (HPC) does not have a limit. This is an operational guide to initiate an action plan if HPC results are continuously high. Refer to Table 5 for the number of samples taken along with the range of results.

*Table 5: Microbiological Testing Summary*

| | No. of Samples Collected | Range of E.coli Results (cfu/100mL) | | Range of Total Coliform Results (cfu/100mL) | | No. of Samples Collected | Range of HPC Results (cfu/mL) | |
|---|---|---|---|---|---|---|---|---|
| | | Min | Max | Min | Max | | Min | Max |
| Raw Water – Well 1 | 53 | 0 | 1 | 0 | 23 | n/a | n/a | n/a |
| Raw Water – Well 2A | 53 | 0 | 0 | 0 | 0 | n/a | n/a | n/a |
| Raw Water – Well 3 | 53 | 0 | 0 | 0 | 1 | n/a | n/a | n/a |
| Treated Water #1 | 53 | 0 | 0 | 0 | 0 | 53 | 0 | <10 |
| Treated Water #2A | 53 | 0 | 0 | 0 | 0 | 53 | 0 | <10 |
| Treated Water #3 | 53 | 0 | 0 | 0 | 0 | 53 | 0 | <10 |
| Distribution Water | 218 | 0 | 0 | 0 | 2 | 53 | 0 | <10 |

## Operational Testing

The raw turbidity from each well is monitored by a grab sample at least monthly in accordance with O. Reg. 170/03. Refer to Table 6 for turbidity minimum and maximum turbidity values from each well.

The treated water is analyzed for free chlorine residual in order to meet primary disinfection requirements. This residual is continuously monitored by a chlorine analyzer at a minimum frequency of every 5 minutes. The minimum and maximum values for each well are identified in Table 6. Alarms are initiated when the residuals drop below a set point for operator response. The operator then confirms whether primary disinfection requirements have been met or whether an adverse water quality incident has occurred. This is done through a calculation using the conditions at the time of the incident for chlorine residual and flow rate. During the month of June, there was a low chlorine alarm due to a failure of the chlorine booster pump line that occurred at Well #3. Operational staff flushed to waste and collected a residual within distribution system, downstream of well house confirming untreated water was not directed to users.

Free chlorine residuals are monitored throughout the distribution system in order to ensure adequate secondary disinfection is provided. Table 6 provides the minimum and maximum readings of free chlorine residuals taken as grab samples throughout the distribution system. All results have met regulatory requirements.

*Table 6: Monitoring Results*

| Parameter | No. of Samples Collected | Range of Results | |
|---|---|---|---|
| | | Minimum | Maximum |
| Turbidity, grab (NTU) – RW 1 | 53 | 0.05 | 0.36 |
| Turbidity, grab (NTU) – RW 2A | 53 | 0.07 | 0.38 |
| Turbidity, grab (NTU) – RW 3 | 53 | 0.06 | 0.37 |
| Free Chlorine Residual, On-Line (mg/L) – TW 1 | Continuously Monitored | 0.74 | 1.77 |
| Free Chlorine Residual, On-Line (mg/L) – TW 2A | Continuously Monitored | 0.61 | 1.90 |
| Free Chlorine Residual, On-Line (mg/L) – TW 3 | Continuously Monitored | 0.14* | 2.04 |
| Free Chlorine Residual, grab (mg/L) - DW | 368 | 0.34 | 1.44 |

*low chlorine, no AWQI as the water was not directed to users

## Inorganic Parameters

Inorganic parameters are tested annually as a requirement under O. Reg. 170/03. In the event any of the parameters exceed half of the maximum allowable concentration, the parameter is required to be sampled quarterly. Sodium and Fluoride are required to be tested every 60 months. Nitrate and Nitrite are tested quarterly as required under O. Reg. 170/03. Refer to Table 7 for the latest inorganic parameters monitoring results.

Sodium in the Town of St. Marys water supply is naturally occurring and is mostly attributed to the nature of the deep bedrock wells. The levels of sodium in the water are of interest because at higher levels it can impart a salty taste to the water and persons on sodium reduced diets need to know the sodium levels in the drinking water so that they can monitor their sodium intake. The aesthetic objective for sodium in drinking water is 200 mg/L at which it can be detected by a salty taste. Sodium is not toxic. Consumption of sodium in excess of 10 grams per day (g/day) by normal adults does not result in any apparent adverse health effects. In addition, the average intake of sodium from water is only a small fraction of that consumed in a normal diet. A maximum acceptable concentration for sodium in drinking water has, therefore, not been specified. Persons suffering from hypertension or congestive heart disease may require a sodium restricted diet, in which case, the intake of sodium from drinking water could become significant. It is therefore recommended that the measurement of sodium levels be included in routine monitoring programs of water supplies. The local Medical Officers of Health is notified when the sodium concentration exceeds 20 mg/L, so that this information may be passed on by local physicians. Softening using a domestic water softener increases the sodium level in drinking water and may contribute to a significant percentage to the daily sodium intake for a consumer on a sodium restricted diet. It is recommended that a separate unsoften supply be retained for cooking and drinking purposes. The latest available analytical results for sodium were conducted in January 2020. The results indicated that sodium concentrations ranged from 27.2 mg/L to 49.7 mg/L and are consistent with historical sampling.

*Table 7: Inorganic Monitoring Results*

| Treated Water | Sample Date (yyyy/mm/dd) | Sample Result | MAC | No. of Exceedances | |
|---|---|---|---|---|---|
| | | | | MAC | 1/2 MAC |
| Antimony: Sb (ug/L) – TW 1 | 2024/01/11 | < MDL 0.6 | 6 | 0 | 0 |
| Antimony: Sb (ug/L) – TW 2 | 2024/01/10 | < MDL 0.6 | 6 | 0 | 0 |
| Antimony: Sb (ug/L) – TW 3 | 2024/01/10 | < MDL 0.6 | 6 | 0 | 0 |
| Arsenic: As (ug/L) – TW 1 | 2024/01/11 | 0.3 | 10 | 0 | 0 |
| Arsenic: As (ug/L) – TW 2 | 2024/01/10 | 0.3 | 10 | 0 | 0 |
| Arsenic: As (ug/L) – TW 3 | 2024/01/10 | < MDL 0.2 | 10 | 0 | 0 |
| Barium: Ba (ug/L) – TW 1 | 2024/01/11 | 164 | 1000 | 0 | 0 |
| Barium: Ba (ug/L) – TW 2 | 2024/01/10 | 100 | 1000 | 0 | 0 |
| Barium: Ba (ug/L) – TW 3 | 2024/01/10 | 110 | 1000 | 0 | 0 |
| Boron: B (ug/L) – TW 1 | 2024/01/11 | 49 | 5000 | 0 | 0 |
| Boron: B (ug/L) – TW 2 | 2024/01/10 | 55 | 5000 | 0 | 0 |
| Boron: B (ug/L) – TW 3 | 2024/01/10 | 58 | 5000 | 0 | 0 |
| Cadmium: Cd (ug/L) – TW 1 | 2024/01/11 | 0.108 | 5 | 0 | 0 |
| Cadmium: Cd (ug/L) – TW 2 | 2024/01/10 | 0.026 | 5 | 0 | 0 |
| Cadmium: Cd (ug/L) – TW 3 | 2024/01/10 | 0.039 | 5 | 0 | 0 |
| Chromium: Cr (ug/L) – TW 1 | 2024/01/11 | 0.16 | 50 | 0 | 0 |
| Chromium: Cr (ug/L) – TW 2 | 2024/01/10 | 0.14 | 50 | 0 | 0 |
| Chromium: Cr (ug/L) – TW 3 | 2024/01/10 | < MDL 0.08 | 50 | 0 | 0 |
| Mercury: Hg (ug/L) – TW 1 | 2024/01/11 | < MDL 0.01 | 1 | 0 | 0 |
| Mercury: Hg (ug/L) – TW 2 | 2024/01/10 | < MDL 0.01 | 1 | 0 | 0 |
| Mercury: Hg (ug/L) – TW 3 | 2024/01/10 | < MDL 0.01 | 1 | 0 | 0 |
| Selenium: Se (ug/L) – TW 1 | 2024/01/11 | 1.02 | 50 | 0 | 0 |
| Selenium: Se (ug/L) – TW 2 | 2024/01/10 | 0.64 | 50 | 0 | 0 |
| Selenium: Se (ug/L) – TW 3 | 2024/01/10 | 0.5 | 50 | 0 | 0 |
| Uranium: U (ug/L) – TW 1 | 2024/01/11 | 1.5 | 20 | 0 | 0 |
| Uranium: U (ug/L) – TW 2 | 2024/01/10 | 2.11 | 20 | 0 | 0 |
| Uranium: U (ug/L) – TW 3 | 2024/01/10 | 2.65 | 20 | 0 | 0 |
| **Additional Inorganics** | | | | | |
| Fluoride (mg/L) – TW 1 | 2020/01/06 | 1.07 | 1.5 | 0 | 1 |
| Fluoride (mg/L) – TW 2 | 2020/01/06 | 1.25 | 1.5 | 0 | 1 |
| Fluoride (mg/L) – TW 3 | 2020/01/06 | 1.19 | 1.5 | 0 | 1 |
| Nitrite (mg/L) – TW 1 | 2024/01/08 | 3.03 | 10 | 0 | 0 |
| Nitrite (mg/L) – TW 1 | 2024/04/08 | 2.74 | 10 | 0 | 0 |
| Nitrite (mg/L) – TW 1 | 2024/07/08 | 2.31 | 10 | 0 | 0 |
| Nitrite (mg/L) – TW 1 | 2024/10/07 | 1.27 | 10 | 0 | 0 |
| Nitrite (mg/L) – TW 2 | 2024/01/08 | 0.852 | 10 | 0 | 0 |
| Nitrite (mg/L) – TW 2 | 2024/04/08 | 1.22 | 10 | 0 | 0 |
| Nitrite (mg/L) – TW 2 | 2024/07/08 | 1.06 | 10 | 0 | 0 |
| Nitrite (mg/L) – TW 2 | 2024/10/07 | 0.83 | 10 | 0 | 0 |
| Nitrite (mg/L) – TW 3 | 2024/01/08 | 0.722 | 10 | 0 | 0 |

| Treated Water | Sample Date (yyyy/mm/dd) | Sample Result | MAC | No. of Exceedances | |
|---|---|---|---|---|---|
| | | | | MAC | 1/2 MAC |
| Nitrite (mg/L) – TW 3 | 2024/04/08 | 0.944 | 10 | 0 | 0 |
| Nitrite (mg/L) – TW 3 | 2024/07/08 | 0.871 | 10 | 0 | 0 |
| Nitrite (mg/L) – TW 3 | 2024/10/07 | 0.564 | 10 | 0 | 0 |
| Nitrate (mg/L) – TW 1 | 2024/01/08 | < MDL 0.003 | 1 | 0 | 0 |
| Nitrate (mg/L) – TW 1 | 2024/04/08 | < MDL 0.003 | 1 | 0 | 0 |
| Nitrate (mg/L) – TW 1 | 2024/07/08 | < MDL 0.003 | 1 | 0 | 0 |
| Nitrate (mg/L) – TW 1 | 2024/10/07 | < MDL 0.003 | 1 | 0 | 0 |
| Nitrate (mg/L) – TW 2 | 2024/01/08 | < MDL 0.003 | 1 | 0 | 0 |
| Nitrate (mg/L) – TW 2 | 2024/04/08 | < MDL 0.003 | 1 | 0 | 0 |
| Nitrate (mg/L) – TW 2 | 2024/07/08 | < MDL 0.003 | 1 | 0 | 0 |
| Nitrate (mg/L) – TW 2 | 2024/10/07 | < MDL 0.003 | 1 | 0 | 0 |
| Nitrate (mg/L) – TW 3 | 2024/01/08 | < MDL 0.003 | 1 | 0 | 0 |
| Nitrate (mg/L) – TW 3 | 2024/04/08 | < MDL 0.003 | 1 | 0 | 0 |
| Nitrate (mg/L) – TW 3 | 2024/07/08 | < MDL 0.003 | 1 | 0 | 0 |
| Nitrate (mg/L) – TW 3 | 2024/10/07 | < MDL 0.003 | 1 | 0 | 0 |
| Sodium: Na (mg/L) – TW 1 | 2020/01/09 | 27.2 | n/a | - | - |
| Sodium: Na (mg/L) – TW 2 | 2020/01/09 | 49.7 | n/a | - | - |
| Sodium: Na (mg/L) – TW 3 | 2020/01/09 | 44.1 | n/a | - | - |

MAC = Maximum Allowable Concentration as per O.Reg 169/03

*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health is notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets.

*Schedule 15.1 Sampling:*

In 2007, the MECP amended the O.Reg. 170/03, to introduce the Community Lead Testing Program (Schedule 15.1 of the Regulation). Under this program, all municipal drinking water systems were required to collect samples from private residences, non-residential buildings as well as the distribution system. The Town of St. Marys met the sampling requirements with results showing no more than 10% of plumbing samples exceeding the MECP standard of 10 µg/L. As such, the Town of St. Marys has been exempt from plumbing sample requirements and is only required to monitor the distribution system twice per year. Refer to Table 8 below for Schedule 15.1 monitoring results in 2024. Monitoring the pH and alkalinity in the distribution system is essential to ensure adequate buffering for corrosion control and to minimize exposure to metals such as lead.

*Table 8: Schedule 15.1 Monitoring Results*

| Distribution System | Number of Sampling Points | Number of Samples | Range of Results | | MAC (ug/L) | Number of Exceedances |
|---|---|---|---|---|---|---|
| | | | Minimum | Maximum | | |
| Alkalinity (mg/L) | 3 | 6 | 274 | 312 | - | - |
| pH | 3 | 6 | 7.11 | 7.4 | - | - |
| Lead (ug/l) | 3 | 6 | 0.16 | 0.19 | 10 | 0 |

## Organic Parameters

Organic parameters are tested annually as a requirement under O.Reg 170/03. In the event any of the parameters exceed half of the maximum allowable concentration, the parameter is required to be

sampled quarterly. Refer to Table 9 for the monitoring results for organic parameters.

*Table 9: Organic Parameter Monitoring Results*

| Treated Water | Sample Date (yyyy/mm/dd) | Sample Result | MAC | Number of Exceedances | |
|---|---|---|---|---|---|
| | | | | MAC | 1/2 MAC |
| 1,1-Dichloroethylene (ug/L)-TW3 | 2024/01/10 | < MDL 0.33 | 14 | 0 | 0 |
| 1,2-Dichlorobenzene (ug/L)-TW3 | 2024/01/10 | < MDL 0.41 | 200 | 0 | 0 |
| 1,2-Dichloroethane (ug/L)-TW3 | 2024/01/10 | < MDL 0.35 | 5 | 0 | 0 |
| 1,4-Dichlorobenzene (ug/L)-TW3 | 2024/01/10 | < MDL 0.36 | 5 | 0 | 0 |
| 2,3,4,6-Tetrachlorophenol (ug/L)-TW3 | 2024/01/10 | < MDL 0.2 | 100 | 0 | 0 |
| 2,4,6-Trichlorophenol (ug/L)-TW3 | 2024/01/10 | < MDL 0.25 | 5 | 0 | 0 |
| 2,4-Dichlorophenol (ug/L)-TW3 | 2024/01/10 | < MDL 0.15 | 900 | 0 | 0 |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW3 | 2024/01/10 | < MDL 0.19 | 100 | 0 | 0 |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW3 | 2024/01/10 | < MDL 0.12 | 100 | 0 | 0 |
| Alachlor (ug/L) -TW3 | 2024/01/10 | < MDL 0.02 | 5 | 0 | 0 |
| Atrazine + N-dealkylated metabolites (ug/L)-TW3 | 2024/01/10 | < MDL 0.01 | 5 | 0 | 0 |
| Azinphos-methyl (ug/L)-TW3 | 2024/01/10 | < MDL 0.05 | 20 | 0 | 0 |
| Benzene (ug/L)-TW3 | 2024/01/10 | < MDL 0.32 | 1 | 0 | 0 |
| Benzo(a)pyrene (ug/L)-TW3 | 2024/01/10 | < MDL 0.004 | 0.01 | 0 | 0 |
| Bromoxynil (ug/L)-TW3 | 2024/01/10 | < MDL 0.33 | 5 | 0 | 0 |
| Carbaryl (ug/L)-TW3 | 2024/01/10 | < MDL 0.05 | 90 | 0 | 0 |
| Carbofuran (ug/L) -TW3 | 2024/01/10 | < MDL 0.01 | 90 | 0 | 0 |
| Carbon Tetrachloride (ug/L) -TW3 | 2024/01/10 | < MDL 0.17 | 2 | 0 | 0 |
| Chlorpyrifos (ug/L) -TW3 | 2024/01/10 | < MDL 0.02 | 90 | 0 | 0 |
| Diazinon (ug/L)-TW3 | 2024/01/10 | < MDL 0.02 | 20 | 0 | 0 |
| Dicamba (ug/L)-TW3 | 2024/01/10 | < MDL 0.2 | 120 | 0 | 0 |
| Dichloromethane (Methylene Chloride) (ug/L)-TW3 | 2024/01/10 | < MDL 0.35 | 50 | 0 | 0 |
| Diclofop-methyl (ug/L)-TW3 | 2024/01/10 | < MDL 0.4 | 9 | 0 | 0 |
| Dimethoate (ug/L)-TW3 | 2024/01/10 | < MDL 0.06 | 20 | 0 | 0 |
| Diquat (ug/L)-TW3 | 2024/01/10 | < MDL 1 | 70 | 0 | 0 |
| Diuron (ug/L)-TW3 | 2024/01/10 | < MDL 0.03 | 150 | 0 | 0 |
| Glyphosate (ug/L)-TW3 | 2024/01/10 | < MDL 1 | 280 | 0 | 0 |
| Malathion (ug/L)-TW3 | 2024/01/10 | < MDL 0.02 | 190 | 0 | 0 |
| Metolachlor (ug/L)-TW3 | 2024/01/10 | < MDL 0.01 | 50 | 0 | 0 |
| Metribuzin (ug/L)-TW3 | 2024/01/10 | < MDL 0.02 | 80 | 0 | 0 |
| Monochlorobenzene (Chlorobenzene) (ug/L)-TW3 | 2024/01/10 | < MDL 0.3 | 80 | 0 | 0 |
| Paraquat (ug/L)-TW3 | 2024/01/10 | < MDL 1 | 10 | 0 | 0 |
| PCB (ug/L)-TW3 | 2024/01/10 | < MDL 0.04 | 3 | 0 | 0 |
| Pentachlorophenol (ug/L)-TW3 | 2024/01/10 | < MDL 0.15 | 60 | 0 | 0 |
| Phorate (ug/L)-TW3 | 2024/01/10 | < MDL 0.01 | 2 | 0 | 0 |
| Picloram (ug/L)-TW3 | 2024/01/10 | < MDL 1 | 190 | 0 | 0 |
| Prometryne (ug/L)-TW3 | 2024/01/10 | < MDL 0.03 | 1 | 0 | 0 |
| Simazine (ug/L)-TW3 | 2024/01/10 | < MDL 0.01 | 10 | 0 | 0 |
| Terbufos (ug/L)-TW3 | 2024/01/10 | < MDL 0.01 | 1 | 0 | 0 |

| Treated Water | Sample Date (yyyy/mm/dd) | Sample Result | MAC | Number of Exceedances | |
|---|---|---|---|---|---|
| | | | | MAC | 1/2 MAC |
| Tetrachloroethylene (ug/L)-TW3 | 2024/01/10 | < MDL 0.35 | 10 | 0 | 0 |
| Triallate (ug/L) -TW3 | 2024/01/10 | < MDL 0.01 | 230 | 0 | 0 |
| Trichloroethylene (ug/L)-TW3 | 2024/01/10 | < MDL 0.44 | 5 | 0 | 0 |
| Trifluralin (ug/L)-TW3 | 2024/01/10 | < MDL 0.02 | 45 | 0 | 0 |
| Vinyl Chloride (ug/L)-TW3 | 2024/01/10 | < MDL 0.17 | 1 | 0 | 0 |
| 1,1-Dichloroethylene (ug/L)-TW2 | 2024/01/10 | < MDL 0.33 | 14 | 0 | 0 |
| 1,2-Dichlorobenzene (ug/L)-TW2 | 2024/01/10 | < MDL 0.41 | 200 | 0 | 0 |
| 1,2-Dichloroethane (ug/L)-TW2 | 2024/01/10 | < MDL 0.35 | 5 | 0 | 0 |
| 1,4-Dichlorobenzene (ug/L)-TW2 | 2024/01/10 | < MDL 0.36 | 5 | 0 | 0 |
| 2,3,4,6-Tetrachlorophenol (ug/L)-TW2 | 2024/01/10 | < MDL 0.2 | 100 | 0 | 0 |
| 2,4,6-Trichlorophenol (ug/L)-TW2 | 2024/01/10 | < MDL 0.25 | 5 | 0 | 0 |
| 2,4-Dichlorophenol (ug/L)-TW2 | 2024/01/10 | < MDL 0.15 | 900 | 0 | 0 |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW2 | 2024/01/10 | < MDL 0.19 | 100 | 0 | 0 |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW2 | 2024/01/10 | < MDL 0.12 | 100 | 0 | 0 |
| Alachlor (ug/L) -TW2 | 2024/01/10 | < MDL 0.02 | 5 | 0 | 0 |
| Atrazine + N-dealkylated metabolites (ug/L)-TW2 | 2024/01/10 | < MDL 0.01 | 5 | 0 | 0 |
| Azinphos-methyl (ug/L)-TW2 | 2024/01/10 | < MDL 0.05 | 20 | 0 | 0 |
| Benzene (ug/L)-TW2 | 2024/01/10 | < MDL 0.32 | 1 | 0 | 0 |
| Benzo(a)pyrene (ug/L)-TW2 | 2024/01/10 | < MDL 0.004 | 0.01 | 0 | 0 |
| Bromoxynil (ug/L)-TW2 | 2024/01/10 | < MDL 0.33 | 5 | 0 | 0 |
| Carbaryl (ug/L)-TW2 | 2024/01/10 | < MDL 0.05 | 90 | 0 | 0 |
| Carbofuran (ug/L) -TW2 | 2024/01/10 | < MDL 0.01 | 90 | 0 | 0 |
| Carbon Tetrachloride (ug/L) -TW2 | 2024/01/10 | < MDL 0.17 | 2 | 0 | 0 |
| Chlorpyrifos (ug/L) -TW2 | 2024/01/10 | < MDL 0.02 | 90 | 0 | 0 |
| Diazinon (ug/L)-TW2 | 2024/01/10 | < MDL 0.02 | 20 | 0 | 0 |
| Dicamba (ug/L)-TW2 | 2024/01/10 | < MDL 0.2 | 120 | 0 | 0 |
| Dichloromethane (Methylene Chloride) (ug/L)-TW2 | 2024/01/10 | < MDL 0.35 | 50 | 0 | 0 |
| Diclofop-methyl (ug/L)-TW2 | 2024/01/10 | < MDL 0.4 | 9 | 0 | 0 |
| Dimethoate (ug/L)-TW2 | 2024/01/10 | < MDL 0.06 | 20 | 0 | 0 |
| Diquat (ug/L)-TW2 | 2024/01/10 | < MDL 1 | 70 | 0 | 0 |
| Diuron (ug/L)-TW2 | 2024/01/10 | < MDL 0.03 | 150 | 0 | 0 |
| Glyphosate (ug/L)-TW2 | 2024/01/10 | < MDL 1 | 280 | 0 | 0 |
| Malathion (ug/L)-TW2 | 2024/01/10 | < MDL 0.02 | 190 | 0 | 0 |
| Metolachlor (ug/L)-TW2 | 2024/01/10 | < MDL 0.01 | 50 | 0 | 0 |
| Metribuzin (ug/L)-TW2 | 2024/01/10 | < MDL 0.02 | 80 | 0 | 0 |
| Monochlorobenzene (Chlorobenzene) (ug/L)-TW2 | 2024/01/10 | < MDL 0.3 | 80 | 0 | 0 |
| Paraquat (ug/L)-TW2 | 2024/01/10 | < MDL 1 | 10 | 0 | 0 |
| PCB (ug/L)-TW2 | 2024/01/10 | < MDL 0.04 | 3 | 0 | 0 |
| Pentachlorophenol (ug/L)-TW2 | 2024/01/10 | < MDL 0.15 | 60 | 0 | 0 |
| Phorate (ug/L)-TW2 | 2024/01/10 | < MDL 0.01 | 2 | 0 | 0 |
| Picloram (ug/L)-TW2 | 2024/01/10 | < MDL 1 | 190 | 0 | 0 |

| Treated Water | Sample Date (yyyy/mm/dd) | Sample Result | MAC | Number of Exceedances | |
|---|---|---|---|---|---|
| | | | | MAC | 1/2 MAC |
| Prometryne (ug/L)-TW2 | 2024/01/10 | < MDL 0.03 | 1 | 0 | 0 |
| Simazine (ug/L)-TW2 | 2024/01/10 | < MDL 0.01 | 10 | 0 | 0 |
| Terbufos (ug/L)-TW2 | 2024/01/10 | < MDL 0.01 | 1 | 0 | 0 |
| Tetrachloroethylene (ug/L)-TW2 | 2024/01/10 | < MDL 0.35 | 10 | 0 | 0 |
| Triallate (ug/L) -TW2 | 2024/01/10 | < MDL 0.01 | 230 | 0 | 0 |
| Trichloroethylene (ug/L)-TW2 | 2024/01/10 | < MDL 0.44 | 5 | 0 | 0 |
| Trifluralin (ug/L)-TW2 | 2024/01/10 | < MDL 0.02 | 45 | 0 | 0 |
| Vinyl Chloride (ug/L)-TW2 | 2024/01/10 | < MDL 0.17 | 1 | 0 | 0 |
| 1,1-Dichloroethylene (ug/L)-TW1 | 2024/01/11 | < MDL 0.33 | 14 | 0 | 0 |
| 1,2-Dichlorobenzene (ug/L)-TW1 | 2024/01/11 | < MDL 0.41 | 200 | 0 | 0 |
| 1,2-Dichloroethane (ug/L)-TW1 | 2024/01/11 | < MDL 0.35 | 5 | 0 | 0 |
| 1,4-Dichlorobenzene (ug/L)-TW1 | 2024/01/11 | < MDL 0.36 | 5 | 0 | 0 |
| 2,3,4,6-Tetrachlorophenol (ug/L)-TW1 | 2024/01/11 | < MDL 0.2 | 100 | 0 | 0 |
| 2,4,6-Trichlorophenol (ug/L)-TW1 | 2024/01/11 | < MDL 0.25 | 5 | 0 | 0 |
| 2,4-Dichlorophenol (ug/L)-TW1 | 2024/01/11 | < MDL 0.15 | 900 | 0 | 0 |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW1 | 2024/01/11 | < MDL 0.19 | 100 | 0 | 0 |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW1 | 2024/01/11 | < MDL 0.12 | 100 | 0 | 0 |
| Alachlor (ug/L) -TW1 | 2024/01/11 | < MDL 0.02 | 5 | 0 | 0 |
| Atrazine + N-dealkylated metabolites (ug/L)-TW1 | 2024/01/11 | 0.01 | 5 | 0 | 0 |
| Azinphos-methyl (ug/L)-TW1 | 2024/01/11 | < MDL 0.05 | 20 | 0 | 0 |
| Benzene (ug/L)-TW1 | 2024/01/11 | < MDL 0.32 | 1 | 0 | 0 |
| Benzo(a)pyrene (ug/L)-TW1 | 2024/01/11 | < MDL 0.004 | 0.01 | 0 | 0 |
| Bromoxynil (ug/L)-TW1 | 2024/01/11 | < MDL 0.33 | 5 | 0 | 0 |
| Carbaryl (ug/L)-TW1 | 2024/01/11 | < MDL 0.05 | 90 | 0 | 0 |
| Carbofuran (ug/L) -TW1 | 2024/01/11 | < MDL 0.01 | 90 | 0 | 0 |
| Carbon Tetrachloride (ug/L) -TW1 | 2024/01/11 | < MDL 0.17 | 2 | 0 | 0 |
| Chlorpyrifos (ug/L) -TW1 | 2024/01/11 | < MDL 0.02 | 90 | 0 | 0 |
| Diazinon (ug/L)-TW1 | 2024/01/11 | < MDL 0.02 | 20 | 0 | 0 |
| Dicamba (ug/L)-TW1 | 2024/01/11 | < MDL 0.2 | 120 | 0 | 0 |
| Dichloromethane (Methylene Chloride) (ug/L)-TW1 | 2024/01/11 | < MDL 0.35 | 50 | 0 | 0 |
| Diclofop-methyl (ug/L)-TW1 | 2024/01/11 | < MDL 0.4 | 9 | 0 | 0 |
| Dimethoate (ug/L)-TW1 | 2024/01/11 | < MDL 0.06 | 20 | 0 | 0 |
| Diquat (ug/L)-TW1 | 2024/01/11 | < MDL 1 | 70 | 0 | 0 |
| Diuron (ug/L)-TW1 | 2024/01/11 | < MDL 0.03 | 150 | 0 | 0 |
| Glyphosate (ug/L)-TW1 | 2024/01/11 | < MDL 1 | 280 | 0 | 0 |
| Malathion (ug/L)-TW1 | 2024/01/11 | < MDL 0.02 | 190 | 0 | 0 |
| Metolachlor (ug/L)-TW1 | 2024/01/11 | < MDL 0.01 | 50 | 0 | 0 |
| Metribuzin (ug/L)-TW1 | 2024/01/11 | < MDL 0.02 | 80 | 0 | 0 |
| Monochlorobenzene (Chlorobenzene) (ug/L)-TW1 | 2024/01/11 | < MDL 0.3 | 80 | 0 | 0 |
| Paraquat (ug/L)-TW1 | 2024/01/11 | < MDL 1 | 10 | 0 | 0 |
| PCB (ug/L)-TW1 | 2024/01/11 | < MDL 0.04 | 3 | 0 | 0 |

| Treated Water | Sample Date (yyyy/mm/dd) | Sample Result | MAC | Number of Exceedances | |
|---|---|---|---|---|---|
| | | | | MAC | 1/2 MAC |
| Pentachlorophenol (ug/L)-TW1 | 2024/01/11 | < MDL 0.15 | 60 | 0 | 0 |
| Phorate (ug/L)-TW1 | 2024/01/11 | < MDL 0.01 | 2 | 0 | 0 |
| Picloram (ug/L)-TW1 | 2024/01/11 | < MDL 1 | 190 | 0 | 0 |
| Prometryne (ug/L)-TW1 | 2024/01/11 | < MDL 0.03 | 1 | 0 | 0 |
| Simazine (ug/L)-TW1 | 2024/01/11 | < MDL 0.01 | 10 | 0 | 0 |
| Terbufos (ug/L)-TW1 | 2024/01/11 | < MDL 0.01 | 1 | 0 | 0 |
| Tetrachloroethylene (ug/L)-TW1 | 2024/01/11 | < MDL 0.35 | 10 | 0 | 0 |
| Triallate (ug/L) -TW1 | 2024/01/11 | < MDL 0.01 | 230 | 0 | 0 |
| Trichloroethylene (ug/L)-TW1 | 2024/01/11 | < MDL 0.44 | 5 | 0 | 0 |
| Trifluralin (ug/L)-TW1 | 2024/01/11 | < MDL 0.02 | 45 | 0 | 0 |
| Vinyl Chloride (ug/L)-TW1 | 2024/01/11 | < MDL 0.17 | 1 | 0 | 0 |
| **Distribution Water** | | | | | |
| Trihalomethane: Total (ug/L) – DW | 2024/01/08<br>2024/04/08<br>2024/07/08<br>2024/10/07<br>Annual Avg. | 12.0<br>14.0<br>8.1<br>28.0<br>15.5 | 100 | 0 | 0 |
| HAA: Total (ug/L) – DW | 2024/01/08<br>2024/04/08<br>2024/07/08<br>2024/10/07<br>Annual Avg. | 5.3<br>5.3<br>5.3<br>5.3<br>5.3 | 80 | 0 | 0 |

MAC = Maximum Allowable Concentration as per O.Reg 169/03
MDL = Below the laboratory method detection level

## Additional Legislated Samples

The Ultraviolet Light (UV) units provide the necessary treatment to provide primary disinfection. When the dosage is below 40mJ/cm$^2$, the well will shut down so no untreated water is directed to users. Refer to Table 10 for the additional monitoring results for UV dose.

*Table 10: UV Dosage Monitoring*

| Legal Document | Date of Issuance | Parameter | Date Sampled | Result | Unit of measure |
|---|---|---|---|---|---|
| MDWL | Issue 6; dated 2019-10-10<br>Issue 7; dated 2024-09-24 | Continuous Pass-Through UV Dose | Continuously monitored | No results below 40mJ/cm$^2$ for Well 1, 2A and 3. | mJ/cm$^2$ |

## Major Maintenance and Capital Summary

The St. Marys Drinking Water System completed a number of repairs, installations, replacements as listed in Table 11. These represent the major expenses incurred in 2024.

*Table 11: Major Maintenance and Capital*

| Location | Description |
|---|---|
| Well 1 | Commercial dehumidifier installation |
| Well 1 | Replace seals in gate valve |
| Well 1, 2A, 3 | Bi-annual UV maintenance |
| Well 2A, 3 | End of life PRV valve replacement |
| Well 2A | Replaced failed pump VFD (warranty) |
| Well 3 | Replaced chlorine gas injection booster pump |
| Well 3 | Replaced electrical meter – completed by Festival Hydro |
| Well 3 | Chlorine analyzer maintenance |
| Distribution | Watermain and valve repairs and replacements |
| Reservoir | Replaced gas chlorination equipment |
| Tower | Replace faulty heater unit |
| Tower | ROV and structural inspection – completed by Landmark |

## Revision History

| Date | Revision # | Revision Notes |
|---|---|---|
| 2025-02-28 | 0 | 2024 Annual Report issued. |

# Appendix A

## Section 11 Annual Report

# ANNUAL REPORT 2024

| | |
|---|---|
| **Drinking Water System Number:** | 220000521 |
| **Drinking Water System Name:** | St. Marys Drinking Water System |
| **Drinking Water System Owner:** | The Corporation of the Town of St. Marys |
| **Drinking Water System Category:** | Large, Municipal, Residential |
| **Period being reported:** | January 1, 2024 to December 31, 2024 |

| ***Complete if your Category is Large Municipal Residential or Small Municipal Residential*** | ***Complete for all other Categories*** |
|---|---|
| **Does your Drinking Water System serve more than 10,000 people? Yes [ ] No [X]**<br><br>**Is your annual report available to the public at no charge on a web site on the Internet? Yes [X] No [ ]**<br><br>**Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.**<br>Municipal Operations Center,<br>408 James St South<br>St. Marys, ON<br>www.townofstmarys.com | **Number of Designated Facilities served:**<br>n/a<br><br>**Did you provide a copy of your annual report to all Designated Facilities you serve?**<br>n/a<br><br>**Number of Interested Authorities you report to:**<br>n/a<br><br>**Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?**<br>n/a |

**List all Drinking Water Systems (if any), which receive all their drinking water from your system:** n/a

**Did you provide a copy of your annual report to all Drinking Water System owners that are connected to you and to whom you provide all drinking water?** n/a

**Indicate how you notified system users that your annual report is available and is free of charge.**

- **[X] Public access/notice via the web**
- **[ ] Public access/notice via Government Office**
- **[ ] Public access/notice via a newspaper**
- **[X] Public access/notice via Public Request**
- **[ ] Public access/notice via a Public Library**
- **[X] Public access/notice via other method:** Municipal Office

**Describe your Drinking Water System**

Each of the wells, Well #1, 2A and 3, have a vertical turbine pump rated at 60 L/s capacity. These pumps draw ground water from each of the three wells. Water passes air release valves, a backflow check valve, pressure gauges, primary UV light disinfection, flow meter, the chlorine gas injection point, actuator control valve and then into the contact chamber piping located underground.

**Booster Station**

This provides additional system pressure for industrial properties within the southeast area of the town during fire emergencies.

**Reservoir**

An in-ground reservoir and booster pumping station provides the sytem with 1,600 $m^3$ of water storage.

**Water Tower**

The water tower is for system pressure regulation and has a storage capacity of 1,820 $m^3$.

**List all water treatment chemicals used over this reporting period**

Chlorine gas for disinfection

**Were any significant expenses incurred to?**

**[X]** Install required equipment
**[X]** Repair required equipment
**[X]** Replace required equipment

**Please describe any major expenses incurred to install, repair or replace required equipment**

**Well 1** – Replaced gate valve seals and install commercial dehumidifier
**Well 1, 2A, 3** – Bi-annual UV maintenance
**Well 2A** – Replaced failed pump VFD (warranty)
**Well 2A, 3** – End of life PRV replacements
**Well 3** – Replaced chlorine gas injection booster pump and electrical meter
**Well 3** – Completed chlorine analyzer maintenance
**Distribution** – Watermain and valve repairs and replacements
**Reservoir** – Replaced gas chlorination equipment
**Tower** – ROV and structural inspection
**Tower** – Replaced faulty heater unit

**Provide details on the notices submitted in accordance with subsection 18 (1) of the Safe Drinking Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre**

| Incident Date | Parameter | Result | Unit of Measure | Corrective Action | Corrective Action Date |
|---|---|---|---|---|---|
| No reportable issues for this reporting period. | | | | | |

**Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period**

| | Number of Samples | Range of E. Coli Results (min)-(max) | Range of Total Coliform Results (min)-(max) | Number of HPC Samples | Range of HPC Results (min)-(max) |
|---|---|---|---|---|---|
| **Well #1 Raw** | 53 | 0-1 | 0-23 | n/a | n/a |
| **Well #2A Raw** | 53 | 0-0 | 0-0 | n/a | n/a |
| **Well #3 Raw** | 53 | 0-0 | 0-1 | n/a | n/a |
| **Well #1Treated** | 53 | 0-0 | 0-0 | 53 | 0-<10 |
| **Well #2A Treated** | 53 | 0-0 | 0-0 | 53 | 0-<10 |
| **Well #3 Treated** | 53 | 0-0 | 0-0 | 53 | 0-<10 |
| **Distribution** | 218 | 0-0 | 0-0 | 53 | 0-<10 |

**Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.**

| | Number of Grab Samples | Range of Results (min)-(max) | Unit of Measure |
|---|---|---|---|
| **Turbidity-Raw Water** | 159 | Well #1: 0.05-0.36<br>Well#2A: 0.07-0.38<br>Well#3: 0.06-0.37 | NTU |
| **Chlorine-Treated** | Continuously monitored | Well #1: 0.74-1.77<br>Well#2A: 0.61-1.90<br>Well#3: 0.14-2.04 | mg/L |
| **Chlorine- Distribution** | 368 | 0.34-1.44 | mg/L |

***NOTE: For continuous monitors use 8760 as the number of samples***

**Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.**

| Date of legal instrument issued | Parameter | Date Sampled | Result |
|---|---|---|---|
| MDWL Issue 6; dated 2019-10-10<br><br>MDWL Issue 7; dated 2024-09-24 | Continuous Pass-Through UV Dose | Continuously monitored | No results below 40mJ/cm$^2$ for Well 1, 2A and 3. |

**Summary of Inorganic parameters tested during this reporting period or the most recent sample results**

| Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|
| Antimony: Sb (ug/L) – TW 1 | 2024/01/11 | <0.6 | ug/L | No |
| Antimony: Sb (ug/L) – TW 2 | 2024/01/10 | <0.6 | ug/L | No |
| Antimony: Sb (ug/L) – TW 3 | 2024/01/10 | <0.6 | ug/L | No |
| Arsenic: As (ug/L) – TW 1 | 2024/01/11 | 0.3 | ug/L | No |
| Arsenic: As (ug/L) – TW 2 | 2024/01/10 | 0.3 | ug/L | No |
| Arsenic: As (ug/L) – TW 3 | 2024/01/10 | <0.2 | ug/L | No |
| Barium: Ba (ug/L) – TW 1 | 2024/01/11 | 164 | ug/L | No |
| Barium: Ba (ug/L) – TW 2 | 2024/01/10 | 100 | ug/L | No |
| Barium: Ba (ug/L) – TW 3 | 2024/01/10 | 110 | ug/L | No |
| Boron: B (ug/L) – TW 1 | 2024/01/11 | 49 | ug/L | No |
| Boron: B (ug/L) – TW 2 | 2024/01/10 | 55 | ug/L | No |
| Boron: B (ug/L) – TW 3 | 2024/01/10 | 58 | ug/L | No |
| Cadmium: Cd (ug/L) – TW 1 | 2024/01/11 | 0.108 | ug/L | No |
| Cadmium: Cd (ug/L) – TW 2 | 2024/01/10 | 0.026 | ug/L | No |
| Cadmium: Cd (ug/L) – TW 3 | 2024/01/10 | 0.039 | ug/L | No |
| Chromium: Cr (ug/L) – TW 1 | 2024/01/11 | 0.16 | ug/L | No |
| Chromium: Cr (ug/L) – TW 2 | 2024/01/10 | 0.14 | ug/L | No |
| Chromium: Cr (ug/L) – TW 3 | 2024/01/10 | <0.08 | ug/L | No |
| Mercury: Hg (ug/L) – TW 1 | 2024/01/11 | <0.01 | ug/L | No |
| Mercury: Hg (ug/L) – TW 2 | 2024/01/10 | <0.01 | ug/L | No |
| Mercury: Hg (ug/L) – TW 3 | 2024/01/10 | <0.01 | ug/L | No |
| Selenium: Se (ug/L) – TW 1 | 2024/01/11 | 1.02 | ug/L | No |
| Selenium: Se (ug/L) – TW 2 | 2024/01/10 | 0.64 | ug/L | No |
| Selenium: Se (ug/L) – TW 3 | 2024/01/10 | 0.5 | ug/L | No |
| Uranium: U (ug/L) – TW 1 | 2024/01/11 | 1.5 | ug/L | No |
| Uranium: U (ug/L) – TW 2 | 2024/01/10 | 2.11 | ug/L | No |
| Uranium: U (ug/L) – TW 3 | 2024/01/10 | 2.65 | ug/L | No |
| Fluoride (mg/L) – TW 1 | 2020/01/06 | 1.07 | mg/L | No |
| Fluoride (mg/L) – TW 2 | 2020/01/06 | 1.25 | mg/L | No |
| Fluoride (mg/L) – TW 3 | 2020/01/06 | 1.19 | mg/L | No |
| Nitrite (mg/L) – TW 1 | 2024/01/08 | 3.03 | mg/L | No |
| Nitrite (mg/L) – TW 1 | 2024/04/08 | 2.74 | mg/L | No |
| Nitrite (mg/L) – TW 1 | 2024/07/08 | 2.31 | mg/L | No |
| Nitrite (mg/L) – TW 1 | 2024/10/07 | 1.27 | mg/L | No |
| Nitrite (mg/L) – TW 2 | 2024/01/08 | 0.852 | mg/L | No |
| Nitrite (mg/L) – TW 2 | 2024/04/08 | 1.22 | mg/L | No |
| Nitrite (mg/L) – TW 2 | 2024/07/08 | 1.06 | mg/L | No |
| Nitrite (mg/L) – TW 2 | 2024/10/07 | 0.83 | mg/L | No |
| Nitrite (mg/L) – TW 3 | 2024/01/08 | 0.722 | mg/L | No |
| Nitrite (mg/L) – TW 3 | 2024/04/08 | 0.944 | mg/L | No |
| Nitrite (mg/L) – TW 3 | 2024/07/08 | 0.871 | mg/L | No |
| Nitrite (mg/L) – TW 3 | 2024/10/07 | 0.564 | mg/L | No |
| Nitrate (mg/L) – TW 1 | 2024/01/08 | <0.003 | mg/L | No |
| Nitrate (mg/L) – TW 1 | 2024/04/08 | <0.003 | mg/L | No |

| Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|
| Nitrate (mg/L) – TW 1 | 2024/07/08 | <0.003 | mg/L | No |
| Nitrate (mg/L) – TW 1 | 2024/10/07 | <0.003 | mg/L | No |
| Nitrate (mg/L) – TW 2 | 2024/01/08 | <0.003 | mg/L | No |
| Nitrate (mg/L) – TW 2 | 2024/04/08 | <0.003 | mg/L | No |
| Nitrate (mg/L) – TW 2 | 2024/07/08 | <0.003 | mg/L | No |
| Nitrate (mg/L) – TW 2 | 2024/10/07 | <0.003 | mg/L | No |
| Nitrate (mg/L) – TW 3 | 2024/01/08 | <0.003 | mg/L | No |
| Nitrate (mg/L) – TW 3 | 2024/04/08 | <0.003 | mg/L | No |
| Nitrate (mg/L) – TW 3 | 2024/07/08 | <0.003 | mg/L | No |
| Nitrate (mg/L) – TW 3 | 2024/10/07 | <0.003 | mg/L | No |
| Sodium: Na (mg/L) – TW 1 | 2020/01/09 | 27.2 | mg/L | N/A |
| Sodium: Na (mg/L) – TW 2 | 2020/01/09 | 49.7 | mg/L | N/A |
| Sodium: Na (mg/L) – TW 3 | 2020/01/09 | 44.1 | mg/L | N/A |

**Summary of lead testing under Schedule 15.1 during this reporting period**

(applicable to the following drinking water systems; large municipal residential systems, small municipal residential systems, and non-municipal year-round residential systems)

| Location Type | Number of Samples | Range of Lead Results (min) – (max) | Unit of Measure | Number of Exceedances |
|---|---|---|---|---|
| Distribution | 6 | 0.16 - 0.19 | ug/L | 0 |

**Summary of Organic parameters sampled during this reporting period or the most recent sample results**

| Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|
| 1,1-Dichloroethylene (ug/L)-TW3 | 2024/01/10 | <0.33 | ug/L | No |
| 1,2-Dichlorobenzene (ug/L)-TW3 | 2024/01/10 | <0.41 | ug/L | No |
| 1,2-Dichloroethane (ug/L)-TW3 | 2024/01/10 | <0.35 | ug/L | No |
| 1,4-Dichlorobenzene (ug/L)-TW3 | 2024/01/10 | <0.36 | ug/L | No |
| 2,3,4,6-Tetrachlorophenol (ug/L)-TW3 | 2024/01/10 | <0.2 | ug/L | No |
| 2,4,6-Trichlorophenol (ug/L)-TW3 | 2024/01/10 | <0.25 | ug/L | No |
| 2,4-Dichlorophenol (ug/L)-TW3 | 2024/01/10 | <0.15 | ug/L | No |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW3 | 2024/01/10 | <0.19 | ug/L | No |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW3 | 2024/01/10 | <0.12 | ug/L | No |
| Alachlor (ug/L) -TW3 | 2024/01/10 | <0.02 | ug/L | No |
| Atrazine + N-dealkylated metabolites (ug/L)-TW3 | 2024/01/10 | <0.01 | ug/L | No |
| Azinphos-methyl (ug/L)-TW3 | 2024/01/10 | <0.05 | ug/L | No |
| Benzene (ug/L)-TW3 | 2024/01/10 | <0.32 | ug/L | No |
| Benzo(a)pyrene (ug/L)-TW3 | 2024/01/10 | <0.004 | ug/L | No |
| Bromoxynil (ug/L)-TW3 | 2024/01/10 | <0.33 | ug/L | No |
| Carbaryl (ug/L)-TW3 | 2024/01/10 | <0.05 | ug/L | No |

| Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|
| Carbofuran (ug/L) -TW3 | 2024/01/10 | <0.01 | ug/L | No |
| Carbon Tetrachloride (ug/L) -TW3 | 2024/01/10 | <0.17 | ug/L | No |
| Chlorpyrifos (ug/L) -TW3 | 2024/01/10 | <0.02 | ug/L | No |
| Diazinon (ug/L)-TW3 | 2024/01/10 | <0.02 | ug/L | No |
| Dicamba (ug/L)-TW3 | 2024/01/10 | <0.2 | ug/L | No |
| Dichloromethane (Methylene Chloride) (ug/L)-TW3 | 2024/01/10 | <0.35 | ug/L | No |
| Diclofop-methyl (ug/L)-TW3 | 2024/01/10 | <0.4 | ug/L | No |
| Dimethoate (ug/L)-TW3 | 2024/01/10 | <0.06 | ug/L | No |
| Diquat (ug/L)-TW3 | 2024/01/10 | <1 | ug/L | No |
| Diuron (ug/L)-TW3 | 2024/01/10 | <0.03 | ug/L | No |
| Glyphosate (ug/L)-TW3 | 2024/01/10 | <1 | ug/L | No |
| Malathion (ug/L)-TW3 | 2024/01/10 | <0.02 | ug/L | No |
| Metolachlor (ug/L)-TW3 | 2024/01/10 | <0.01 | ug/L | No |
| Metribuzin (ug/L)-TW3 | 2024/01/10 | <0.02 | ug/L | No |
| Monochlorobenzene (Chlorobenzene) (ug/L)-TW3 | 2024/01/10 | <0.3 | ug/L | No |
| Paraquat (ug/L)-TW3 | 2024/01/10 | <1 | ug/L | No |
| PCB (ug/L)-TW3 | 2024/01/10 | <0.04 | ug/L | No |
| Pentachlorophenol (ug/L)-TW3 | 2024/01/10 | <0.15 | ug/L | No |
| Phorate (ug/L)-TW3 | 2024/01/10 | <0.01 | ug/L | No |
| Picloram (ug/L)-TW3 | 2024/01/10 | <1 | ug/L | No |
| Prometryne (ug/L)-TW3 | 2024/01/10 | <0.03 | ug/L | No |
| Simazine (ug/L)-TW3 | 2024/01/10 | <0.01 | ug/L | No |
| Terbufos (ug/L)-TW3 | 2024/01/10 | <0.01 | ug/L | No |
| Tetrachloroethylene (ug/L)-TW3 | 2024/01/10 | <0.35 | ug/L | No |
| Triallate (ug/L) -TW3 | 2024/01/10 | <0.01 | ug/L | No |
| Trichloroethylene (ug/L)-TW3 | 2024/01/10 | <0.44 | ug/L | No |
| Trifluralin (ug/L)-TW3 | 2024/01/10 | <0.02 | ug/L | No |
| Vinyl Chloride (ug/L)-TW3 | 2024/01/10 | <0.17 | ug/L | No |
| 1,1-Dichloroethylene (ug/L)-TW2 | 2024/01/10 | <0.33 | ug/L | No |
| 1,2-Dichlorobenzene (ug/L)-TW2 | 2024/01/10 | <0.41 | ug/L | No |
| 1,2-Dichloroethane (ug/L)-TW2 | 2024/01/10 | <0.35 | ug/L | No |
| 1,4-Dichlorobenzene (ug/L)-TW2 | 2024/01/10 | <0.36 | ug/L | No |
| 2,3,4,6-Tetrachlorophenol (ug/L)-TW2 | 2024/01/10 | <0.2 | ug/L | No |
| 2,4,6-Trichlorophenol (ug/L)-TW2 | 2024/01/10 | <0.25 | ug/L | No |
| 2,4-Dichlorophenol (ug/L)-TW2 | 2024/01/10 | <0.15 | ug/L | No |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW2 | 2024/01/10 | <0.19 | ug/L | No |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW2 | 2024/01/10 | <0.12 | ug/L | No |
| Alachlor (ug/L) -TW2 | 2024/01/10 | <0.02 | ug/L | No |
| Atrazine + N-dealkylated metabolites (ug/L)-TW2 | 2024/01/10 | <0.01 | ug/L | No |
| Azinphos-methyl (ug/L)-TW2 | 2024/01/10 | <0.05 | ug/L | No |
| Benzene (ug/L)-TW2 | 2024/01/10 | <0.32 | ug/L | No |

| Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|
| Benzo(a)pyrene (ug/L)-TW2 | 2024/01/10 | <0.004 | ug/L | No |
| Bromoxynil (ug/L)-TW2 | 2024/01/10 | <0.33 | ug/L | No |
| Carbaryl (ug/L)-TW2 | 2024/01/10 | <0.05 | ug/L | No |
| Carbofuran (ug/L) -TW2 | 2024/01/10 | <0.01 | ug/L | No |
| Carbon Tetrachloride (ug/L) -TW2 | 2024/01/10 | <0.17 | ug/L | No |
| Chlorpyrifos (ug/L) -TW2 | 2024/01/10 | <0.02 | ug/L | No |
| Diazinon (ug/L)-TW2 | 2024/01/10 | <0.02 | ug/L | No |
| Dicamba (ug/L)-TW2 | 2024/01/10 | <0.2 | ug/L | No |
| Dichloromethane (Methylene Chloride) (ug/L)-TW2 | 2024/01/10 | <0.35 | ug/L | No |
| Diclofop-methyl (ug/L)-TW2 | 2024/01/10 | <0.4 | ug/L | No |
| Dimethoate (ug/L)-TW2 | 2024/01/10 | <0.06 | ug/L | No |
| Diquat (ug/L)-TW2 | 2024/01/10 | <1 | ug/L | No |
| Diuron (ug/L)-TW2 | 2024/01/10 | <0.03 | ug/L | No |
| Glyphosate (ug/L)-TW2 | 2024/01/10 | <1 | ug/L | No |
| Malathion (ug/L)-TW2 | 2024/01/10 | <0.02 | ug/L | No |
| Metolachlor (ug/L)-TW2 | 2024/01/10 | <0.01 | ug/L | No |
| Metribuzin (ug/L)-TW2 | 2024/01/10 | <0.02 | ug/L | No |
| Monochlorobenzene (Chlorobenzene) (ug/L)-TW2 | 2024/01/10 | <0.3 | ug/L | No |
| Paraquat (ug/L)-TW2 | 2024/01/10 | <1 | ug/L | No |
| PCB (ug/L)-TW2 | 2024/01/10 | <0.04 | ug/L | No |
| Pentachlorophenol (ug/L)-TW2 | 2024/01/10 | <0.15 | ug/L | No |
| Phorate (ug/L)-TW2 | 2024/01/10 | <0.01 | ug/L | No |
| Picloram (ug/L)-TW2 | 2024/01/10 | <1 | ug/L | No |
| Prometryne (ug/L)-TW2 | 2024/01/10 | <0.03 | ug/L | No |
| Simazine (ug/L)-TW2 | 2024/01/10 | <0.01 | ug/L | No |
| Terbufos (ug/L)-TW2 | 2024/01/10 | <0.01 | ug/L | No |
| Tetrachloroethylene (ug/L)-TW2 | 2024/01/10 | <0.35 | ug/L | No |
| Triallate (ug/L) -TW2 | 2024/01/10 | <0.01 | ug/L | No |
| Trichloroethylene (ug/L)-TW2 | 2024/01/10 | <0.44 | ug/L | No |
| Trifluralin (ug/L)-TW2 | 2024/01/10 | <0.02 | ug/L | No |
| Vinyl Chloride (ug/L)-TW2 | 2024/01/10 | <0.17 | ug/L | No |
| 1,1-Dichloroethylene (ug/L)-TW1 | 2024/01/11 | <0.33 | ug/L | No |
| 1,2-Dichlorobenzene (ug/L)-TW1 | 2024/01/11 | <0.41 | ug/L | No |
| 1,2-Dichloroethane (ug/L)-TW1 | 2024/01/11 | <0.35 | ug/L | No |
| 1,4-Dichlorobenzene (ug/L)-TW1 | 2024/01/11 | <0.36 | ug/L | No |
| 2,3,4,6-Tetrachlorophenol (ug/L)-TW1 | 2024/01/11 | <0.2 | ug/L | No |
| 2,4,6-Trichlorophenol (ug/L)-TW1 | 2024/01/11 | <0.25 | ug/L | No |
| 2,4-Dichlorophenol (ug/L)-TW1 | 2024/01/11 | <0.15 | ug/L | No |
| 2,4-Dichlorophenoxy acetic acid (2,4-D) (ug/L)-TW1 | 2024/01/11 | <0.19 | ug/L | No |
| 2-methyl-4-chlorophenoxyacetic acid (MCPA) (ug/L)-TW1 | 2024/01/11 | <0.12 | ug/L | No |
| Alachlor (ug/L) -TW1 | 2024/01/11 | <0.02 | ug/L | No |

| Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|
| Atrazine + N-dealkylated metabolites (ug/L)-TW1 | 2024/01/11 | 0.01 | ug/L | No |
| Azinphos-methyl (ug/L)-TW1 | 2024/01/11 | <0.05 | ug/L | No |
| Benzene (ug/L)-TW1 | 2024/01/11 | <0.32 | ug/L | No |
| Benzo(a)pyrene (ug/L)-TW1 | 2024/01/11 | <0.004 | ug/L | No |
| Bromoxynil (ug/L)-TW1 | 2024/01/11 | <0.33 | ug/L | No |
| Carbaryl (ug/L)-TW1 | 2024/01/11 | <0.05 | ug/L | No |
| Carbofuran (ug/L) -TW1 | 2024/01/11 | <0.01 | ug/L | No |
| Carbon Tetrachloride (ug/L) -TW1 | 2024/01/11 | <0.17 | ug/L | No |
| Chlorpyrifos (ug/L) -TW1 | 2024/01/11 | <0.02 | ug/L | No |
| Diazinon (ug/L)-TW1 | 2024/01/11 | <0.02 | ug/L | No |
| Dicamba (ug/L)-TW1 | 2024/01/11 | <0.2 | ug/L | No |
| Dichloromethane (Methylene Chloride) (ug/L)-TW1 | 2024/01/11 | <0.35 | ug/L | No |
| Diclofop-methyl (ug/L)-TW1 | 2024/01/11 | <0.4 | ug/L | No |
| Dimethoate (ug/L)-TW1 | 2024/01/11 | <0.06 | ug/L | No |
| Diquat (ug/L)-TW1 | 2024/01/11 | <1 | ug/L | No |
| Diuron (ug/L)-TW1 | 2024/01/11 | <0.03 | ug/L | No |
| Glyphosate (ug/L)-TW1 | 2024/01/11 | <1 | ug/L | No |
| Malathion (ug/L)-TW1 | 2024/01/11 | <0.02 | ug/L | No |
| Metolachlor (ug/L)-TW1 | 2024/01/11 | <0.01 | ug/L | No |
| Metribuzin (ug/L)-TW1 | 2024/01/11 | <0.02 | ug/L | No |
| Monochlorobenzene (Chlorobenzene) (ug/L)-TW1 | 2024/01/11 | <0.3 | ug/L | No |
| Paraquat (ug/L)-TW1 | 2024/01/11 | <1 | ug/L | No |
| PCB (ug/L)-TW1 | 2024/01/11 | <0.04 | ug/L | No |
| Pentachlorophenol (ug/L)-TW1 | 2024/01/11 | <0.15 | ug/L | No |
| Phorate (ug/L)-TW1 | 2024/01/11 | <0.01 | ug/L | No |
| Picloram (ug/L)-TW1 | 2024/01/11 | <1 | ug/L | No |
| Prometryne (ug/L)-TW1 | 2024/01/11 | <0.03 | ug/L | No |
| Simazine (ug/L)-TW1 | 2024/01/11 | <0.01 | ug/L | No |
| Terbufos (ug/L)-TW1 | 2024/01/11 | <0.01 | ug/L | No |
| Tetrachloroethylene (ug/L)-TW1 | 2024/01/11 | <0.35 | ug/L | No |
| Triallate (ug/L) -TW1 | 2024/01/11 | <0.01 | ug/L | No |
| Trichloroethylene (ug/L)-TW1 | 2024/01/11 | <0.44 | ug/L | No |
| Trifluralin (ug/L)-TW1 | 2024/01/11 | <0.02 | ug/L | No |
| Vinyl Chloride (ug/L)-TW1 | 2024/01/11 | <0.17 | ug/L | No |
| Trihalomethane: Total (ug/L) – DW | 2024/01/08<br>2024/04/08<br>2024/07/08<br>2024/10/07<br>**Annual Avg.** | 12.0<br>14.0<br>8.1<br>28.0<br>**15.5** | ug/L | No |

| Parameter | Sample Date | Result Value | Unit of Measure | Exceedance |
|---|---|---|---|---|
| HAA: Total (ug/L) – DW | 2024/01/08<br>2024/04/08<br>2024/07/08<br>2024/10/07<br>**Annual Avg.** | 5.3<br>5.3<br>5.3<br>5.3<br>**5.3** | | |

**List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards**

| Parameter | Result Value | Unit of Measure | Date of Sample |
|---|---|---|---|
| Sodium – TW1 | 27.2 | mg/L | 2020/01/09 |
| Sodium – TW2 | 49.7 | mg/L | 2020/01/09 |
| Sodium – TW3 | 44.1 | mg/L | 2020/01/09 |

# Appendix B

## Permit to Take Water (PTTW) Data

### Well 1

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/01/2023 | 1368.6600 | 1368660.0000 |
| 02/01/2023 | 798.7400 | 798740.0000 |
| 03/01/2023 | 162.9300 | 162930.0000 |
| 04/01/2023 | 0.0000 | 0.0000 |
| 05/01/2023 | 74.1300 | 74130.0000 |
| 06/01/2023 | 0.0000 | 0.0000 |
| 07/01/2023 | 0.0000 | 0.0000 |
| 08/01/2023 | 0.0000 | 0.0000 |
| 09/01/2023 | 0.0000 | 0.0000 |
| 10/01/2023 | 41.2200 | 41220.0000 |
| 11/01/2023 | 571.1300 | 571130.0000 |
| 12/01/2023 | 1591.7600 | 1591760.0000 |
| 13/01/2023 | 476.8900 | 476890.0000 |
| 14/01/2023 | 0.0000 | 0.0000 |
| 15/01/2023 | 1516.2500 | 1516250.0000 |
| 16/01/2023 | 1037.8100 | 1037810.0000 |
| 17/01/2023 | 1059.6000 | 1059600.0000 |
| 18/01/2023 | 1096.5400 | 1096540.0000 |
| 19/01/2023 | 508.2800 | 508280.0000 |
| 20/01/2023 | 0.0000 | 0.0000 |
| 21/01/2023 | 836.6500 | 836650.0000 |
| 22/01/2023 | 0.0000 | 0.0000 |
| 23/01/2023 | 98.5500 | 98550.0000 |
| 24/01/2023 | 0.0000 | 0.0000 |
| 25/01/2023 | 1013.2500 | 1013250.0000 |
| 26/01/2023 | 1083.1800 | 1083180.0000 |
| 27/01/2023 | 0.0000 | 0.0000 |
| 28/01/2023 | 0.0000 | 0.0000 |
| 29/01/2023 | 1366.3800 | 1366380.0000 |
| 30/01/2023 | 2596.4000 | 2596400.0000 |
| 31/01/2023 | 780.7400 | 780740.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/02/2024 | 0.0000 | 0.0000 |
| 02/02/2024 | 130.9200 | 130920.0000 |
| 03/02/2024 | 0.0000 | 0.0000 |
| 04/02/2024 | 0.0000 | 0.0000 |
| 05/02/2024 | 599.9300 | 599930.0000 |
| 06/02/2024 | 161.2100 | 161210.0000 |
| 07/02/2024 | 163.9400 | 163940.0000 |
| 08/02/2024 | 0.0000 | 0.0000 |
| 09/02/2024 | 0.0000 | 0.0000 |
| 10/02/2024 | 901.0200 | 901020.0000 |
| 11/02/2024 | 0.0000 | 0.0000 |
| 12/02/2024 | 0.0000 | 0.0000 |
| 13/02/2024 | 1072.2100 | 1072210.0000 |
| 14/02/2024 | 529.6800 | 529680.0000 |
| 15/02/2024 | 843.2600 | 843260.0000 |
| 16/02/2024 | 0.0000 | 0.0000 |
| 17/02/2024 | 0.0000 | 0.0000 |
| 18/02/2024 | 0.0000 | 0.0000 |
| 19/02/2024 | 0.0000 | 0.0000 |
| 20/02/2024 | 1495.5300 | 1495530.0000 |
| 21/02/2024 | 1192.3800 | 1192380.0000 |
| 22/02/2024 | 0.0000 | 0.0000 |
| 23/02/2024 | 705.0200 | 705020.0000 |
| 24/02/2024 | 2530.4500 | 2530450.0000 |
| 25/02/2024 | 2483.9600 | 2483960.0000 |
| 26/02/2024 | 1093.4300 | 1093430.0000 |
| 27/02/2024 | 1129.2800 | 1129280.0000 |
| 28/02/2024 | 1061.4600 | 1061460.0000 |
| 29/02/2024 | 0.0000 | 0.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/03/2024 | 1573.0700 | 1573070.0000 |
| 02/03/2024 | 161.7700 | 161770.0000 |
| 03/03/2024 | 0.0000 | 0.0000 |
| 04/03/2024 | 961.7800 | 961780.0000 |
| 05/03/2024 | 1601.9500 | 1601950.0000 |
| 06/03/2024 | 1008.7100 | 1008710.0000 |
| 07/03/2024 | 2139.4600 | 2139460.0000 |
| 08/03/2024 | 854.8100 | 854810.0000 |
| 09/03/2024 | 0.0000 | 0.0000 |
| 10/03/2024 | 0.0000 | 0.0000 |
| 11/03/2024 | 0.0000 | 0.0000 |
| 12/03/2024 | 1839.9400 | 1839940.0000 |
| 13/03/2024 | 902.6700 | 902670.0000 |
| 14/03/2024 | 1512.0700 | 1512070.0000 |
| 15/03/2024 | 915.8400 | 915840.0000 |
| 16/03/2024 | 0.0000 | 0.0000 |
| 17/03/2024 | 0.0000 | 0.0000 |
| 18/03/2024 | 1120.3000 | 1120300.0000 |
| 19/03/2024 | 1934.0000 | 1934000.0000 |
| 20/03/2024 | 962.9000 | 962900.0000 |
| 21/03/2024 | 0.0000 | 0.0000 |
| 22/03/2024 | 1559.9500 | 1559950.0000 |
| 23/03/2024 | 2476.1900 | 2476190.0000 |
| 24/03/2024 | 2415.7000 | 2415700.0000 |
| 25/03/2024 | 530.5800 | 530580.0000 |
| 26/03/2024 | 1180.8100 | 1180810.0000 |
| 27/03/2024 | 695.1700 | 695170.0000 |
| 28/03/2024 | 1532.1400 | 1532140.0000 |
| 29/03/2024 | 274.3900 | 274390.0000 |
| 30/03/2024 | 0.0000 | 0.0000 |
| 31/03/2024 | 0.0000 | 0.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/04/2024 | 0.0000 | 0.0000 |
| 02/04/2024 | 1328.7500 | 1328750.0000 |
| 03/04/2024 | 824.1100 | 824110.0000 |
| 04/04/2024 | 0.0000 | 0.0000 |
| 05/04/2024 | 0.0000 | 0.0000 |
| 06/04/2024 | 0.0000 | 0.0000 |
| 07/04/2024 | 0.0000 | 0.0000 |
| 08/04/2024 | 147.9600 | 147960.0000 |
| 09/04/2024 | 1646.7400 | 1646740.0000 |
| 10/04/2024 | 1086.3400 | 1086340.0000 |
| 11/04/2024 | 1543.4600 | 1543460.0000 |
| 12/04/2024 | 1214.1300 | 1214130.0000 |
| 13/04/2024 | 0.0000 | 0.0000 |
| 14/04/2024 | 0.0000 | 0.0000 |
| 15/04/2024 | 0.0000 | 0.0000 |
| 16/04/2024 | 237.5900 | 237590.0000 |
| 17/04/2024 | 0.0000 | 0.0000 |
| 18/04/2024 | 0.0000 | 0.0000 |
| 19/04/2024 | 333.5700 | 333570.0000 |
| 20/04/2024 | 0.0000 | 0.0000 |
| 21/04/2024 | 271.1600 | 271160.0000 |
| 22/04/2024 | 1190.0500 | 1190050.0000 |
| 23/04/2024 | 121.0200 | 121020.0000 |
| 24/04/2024 | 278.7800 | 278780.0000 |
| 25/04/2024 | 597.4000 | 597400.0000 |
| 26/04/2024 | 1580.2000 | 1580200.0000 |
| 27/04/2024 | 2631.3600 | 2631360.0000 |
| 28/04/2024 | 1344.3600 | 1344360.0000 |
| 29/04/2024 | 797.5100 | 797510.0000 |
| 30/04/2024 | 141.5100 | 141510.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/05/2024 | 1492.7100 | 1492710.0000 |
| 02/05/2024 | 2289.1200 | 2289120.0000 |
| 03/05/2024 | 855.2600 | 855260.0000 |
| 04/05/2024 | 0.0000 | 0.0000 |
| 05/05/2024 | 0.0000 | 0.0000 |
| 06/05/2024 | 0.0000 | 0.0000 |
| 07/05/2024 | 282.4800 | 282480.0000 |
| 08/05/2024 | 1618.6400 | 1618640.0000 |
| 09/05/2024 | 542.9600 | 542960.0000 |
| 10/05/2024 | 1255.0700 | 1255070.0000 |
| 11/05/2024 | 2401.9400 | 2401940.0000 |
| 12/05/2024 | 2314.8800 | 2314880.0000 |
| 13/05/2024 | 677.9900 | 677990.0000 |
| 14/05/2024 | 323.7000 | 323700.0000 |
| 15/05/2024 | 1161.1200 | 1161120.0000 |
| 16/05/2024 | 2161.2600 | 2161260.0000 |
| 17/05/2024 | 1579.1800 | 1579180.0000 |
| 18/05/2024 | 0.0000 | 0.0000 |
| 19/05/2024 | 0.0000 | 0.0000 |
| 20/05/2024 | 0.0000 | 0.0000 |
| 21/05/2024 | 432.7700 | 432770.0000 |
| 22/05/2024 | 2115.4900 | 2115490.0000 |
| 23/05/2024 | 1522.0700 | 1522070.0000 |
| 24/05/2024 | 2705.5400 | 2705540.0000 |
| 25/05/2024 | 2366.0100 | 2366010.0000 |
| 26/05/2024 | 1848.4300 | 1848430.0000 |
| 27/05/2024 | 771.6700 | 771670.0000 |
| 28/05/2024 | 1299.1800 | 1299180.0000 |
| 29/05/2024 | 1177.1900 | 1177190.0000 |
| 30/05/2024 | 0.0000 | 0.0000 |
| 31/05/2024 | 1248.9800 | 1248980.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/06/2024 | 2810.4800 | 2810480.0000 |
| 02/06/2024 | 2173.1000 | 2173100.0000 |
| 03/06/2024 | 863.8800 | 863880.0000 |
| 04/06/2024 | 1627.7300 | 1627730.0000 |
| 05/06/2024 | 2081.3900 | 2081390.0000 |
| 06/06/2024 | 2025.6400 | 2025640.0000 |
| 07/06/2024 | 910.6800 | 910680.0000 |
| 08/06/2024 | 0.0000 | 0.0000 |
| 09/06/2024 | 0.0000 | 0.0000 |
| 10/06/2024 | 63.8600 | 63860.0000 |
| 11/06/2024 | 88.8300 | 88830.0000 |
| 12/06/2024 | 0.0000 | 0.0000 |
| 13/06/2024 | 1745.3900 | 1745390.0000 |
| 14/06/2024 | 1405.2600 | 1405260.0000 |
| 15/06/2024 | 0.0000 | 0.0000 |
| 16/06/2024 | 0.0000 | 0.0000 |
| 17/06/2024 | 1271.0400 | 1271040.0000 |
| 18/06/2024 | 1116.0000 | 1116000.0000 |
| 19/06/2024 | 0.0000 | 0.0000 |
| 20/06/2024 | 988.9700 | 988970.0000 |
| 21/06/2024 | 0.0000 | 0.0000 |
| 22/06/2024 | 2785.6400 | 2785640.0000 |
| 23/06/2024 | 791.0700 | 791070.0000 |
| 24/06/2024 | 439.3500 | 439350.0000 |
| 25/06/2024 | 939.5300 | 939530.0000 |
| 26/06/2024 | 118.4100 | 118410.0000 |
| 27/06/2024 | 1518.1100 | 1518110.0000 |
| 28/06/2024 | 1203.0900 | 1203090.0000 |
| 29/06/2024 | 2082.0400 | 2082040.0000 |
| 30/06/2024 | 946.8100 | 946810.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/07/2024 | 0.0000 | 0.0000 |
| 02/07/2024 | 461.6100 | 461610.0000 |
| 03/07/2024 | 213.6400 | 213640.0000 |
| 04/07/2024 | 300.1600 | 300160.0000 |
| 05/07/2024 | 1142.8900 | 1142890.0000 |
| 06/07/2024 | 3035.0000 | 3035000.0000 |
| 07/07/2024 | 2777.3400 | 2777340.0000 |
| 08/07/2024 | 1081.3600 | 1081360.0000 |
| 09/07/2024 | 708.5300 | 708530.0000 |
| 10/07/2024 | 46.4500 | 46450.0000 |
| 11/07/2024 | 0.0000 | 0.0000 |
| 12/07/2024 | 385.4900 | 385490.0000 |
| 13/07/2024 | 2855.0400 | 2855040.0000 |
| 14/07/2024 | 2248.1600 | 2248160.0000 |
| 15/07/2024 | 782.0100 | 782010.0000 |
| 16/07/2024 | 1474.8100 | 1474810.0000 |
| 17/07/2024 | 783.8200 | 783820.0000 |
| 18/07/2024 | 1169.1700 | 1169170.0000 |
| 19/07/2024 | 1241.7100 | 1241710.0000 |
| 20/07/2024 | 0.0000 | 0.0000 |
| 21/07/2024 | 0.0000 | 0.0000 |
| 22/07/2024 | 1696.0100 | 1696010.0000 |
| 23/07/2024 | 1562.9100 | 1562910.0000 |
| 24/07/2024 | 939.2000 | 939200.0000 |
| 25/07/2024 | 174.5100 | 174510.0000 |
| 26/07/2024 | 1492.3200 | 1492320.0000 |
| 27/07/2024 | 3160.2900 | 3160290.0000 |
| 28/07/2024 | 2908.0000 | 2908000.0000 |
| 29/07/2024 | 607.7700 | 607770.0000 |
| 30/07/2024 | 229.9700 | 229970.0000 |
| 31/07/2024 | 1028.5900 | 1028590.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/08/2024 | 877.0000 | 877000.0000 |
| 02/08/2024 | 770.7600 | 770760.0000 |
| 03/08/2024 | 0.0000 | 0.0000 |
| 04/08/2024 | 1526.3400 | 1526340.0000 |
| 05/08/2024 | 2645.9500 | 2645950.0000 |
| 06/08/2024 | 819.3900 | 819390.0000 |
| 07/08/2024 | 749.5900 | 749590.0000 |
| 08/08/2024 | 2583.6200 | 2583620.0000 |
| 09/08/2024 | 1037.1200 | 1037120.0000 |
| 10/08/2024 | 1934.3900 | 1934390.0000 |
| 11/08/2024 | 2447.0500 | 2447050.0000 |
| 12/08/2024 | 789.4000 | 789400.0000 |
| 13/08/2024 | 1726.0800 | 1726080.0000 |
| 14/08/2024 | 1207.4000 | 1207400.0000 |
| 15/08/2024 | 1978.1900 | 1978190.0000 |
| 16/08/2024 | 1047.6300 | 1047630.0000 |
| 17/08/2024 | 0.0000 | 0.0000 |
| 18/08/2024 | 0.0000 | 0.0000 |
| 19/08/2024 | 1532.3100 | 1532310.0000 |
| 20/08/2024 | 1766.1500 | 1766150.0000 |
| 21/08/2024 | 1325.1400 | 1325140.0000 |
| 22/08/2024 | 1837.4000 | 1837400.0000 |
| 23/08/2024 | 1523.3100 | 1523310.0000 |
| 24/08/2024 | 2656.8700 | 2656870.0000 |
| 25/08/2024 | 2700.7000 | 2700700.0000 |
| 26/08/2024 | 1089.4900 | 1089490.0000 |
| 27/08/2024 | 387.9600 | 387960.0000 |
| 28/08/2024 | 1547.7400 | 1547740.0000 |
| 29/08/2024 | 1042.9300 | 1042930.0000 |
| 30/08/2024 | 797.4300 | 797430.0000 |
| 31/08/2024 | 3012.5800 | 3012580.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/09/2024 | 2185.1800 | 2185180.0000 |
| 02/09/2024 | 2907.2000 | 2907200.0000 |
| 03/09/2024 | 986.9800 | 986980.0000 |
| 04/09/2024 | 349.2100 | 349210.0000 |
| 05/09/2024 | 651.0100 | 651010.0000 |
| 06/09/2024 | 1166.9400 | 1166940.0000 |
| 07/09/2024 | 2950.1000 | 2950100.0000 |
| 08/09/2024 | 3059.8700 | 3059870.0000 |
| 09/09/2024 | 1010.7800 | 1010780.0000 |
| 10/09/2024 | 146.7400 | 146740.0000 |
| 11/09/2024 | 1401.3400 | 1401340.0000 |
| 12/09/2024 | 1432.3500 | 1432350.0000 |
| 13/09/2024 | 1219.6300 | 1219630.0000 |
| 14/09/2024 | 643.1200 | 643120.0000 |
| 15/09/2024 | 295.6300 | 295630.0000 |
| 16/09/2024 | 659.7200 | 659720.0000 |
| 17/09/2024 | 1551.2100 | 1551210.0000 |
| 18/09/2024 | 1257.6700 | 1257670.0000 |
| 19/09/2024 | 0.0000 | 0.0000 |
| 20/09/2024 | 979.9300 | 979930.0000 |
| 21/09/2024 | 1773.7900 | 1773790.0000 |
| 22/09/2024 | 0.0000 | 0.0000 |
| 23/09/2024 | 1444.8500 | 1444850.0000 |
| 24/09/2024 | 1495.7600 | 1495760.0000 |
| 25/09/2024 | 0.0000 | 0.0000 |
| 26/09/2024 | 1559.4100 | 1559410.0000 |
| 27/09/2024 | 1771.5500 | 1771550.0000 |
| 28/09/2024 | 2616.2300 | 2616230.0000 |
| 29/09/2024 | 983.7100 | 983710.0000 |
| 30/09/2024 | 0.0000 | 0.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/10/2024 | 1467.9400 | 1467940.0000 |
| 02/10/2024 | 797.6400 | 797640.0000 |
| 03/10/2024 | 335.5100 | 335510.0000 |
| 04/10/2024 | 747.7400 | 747740.0000 |
| 05/10/2024 | 0.0000 | 0.0000 |
| 06/10/2024 | 0.0000 | 0.0000 |
| 07/10/2024 | 1645.4500 | 1645450.0000 |
| 08/10/2024 | 1355.2000 | 1355200.0000 |
| 09/10/2024 | 0.0000 | 0.0000 |
| 10/10/2024 | 1526.2700 | 1526270.0000 |
| 11/10/2024 | 878.3100 | 878310.0000 |
| 12/10/2024 | 2217.5700 | 2217570.0000 |
| 13/10/2024 | 2458.3000 | 2458300.0000 |
| 14/10/2024 | 2628.1000 | 2628100.0000 |
| 15/10/2024 | 1021.9200 | 1021920.0000 |
| 16/10/2024 | 988.5500 | 988550.0000 |
| 17/10/2024 | 0.0000 | 0.0000 |
| 18/10/2024 | 1154.5700 | 1154570.0000 |
| 19/10/2024 | 0.0000 | 0.0000 |
| 20/10/2024 | 544.4800 | 544480.0000 |
| 21/10/2024 | 294.2900 | 294290.0000 |
| 22/10/2024 | 268.6800 | 268680.0000 |
| 23/10/2024 | 0.0000 | 0.0000 |
| 24/10/2024 | 1183.7400 | 1183740.0000 |
| 25/10/2024 | 879.6900 | 879690.0000 |
| 26/10/2024 | 0.0000 | 0.0000 |
| 27/10/2024 | 319.6900 | 319690.0000 |
| 28/10/2024 | 283.1400 | 283140.0000 |
| 29/10/2024 | 115.2000 | 115200.0000 |
| 30/10/2024 | 1120.4600 | 1120460.0000 |
| 31/10/2024 | 1592.3400 | 1592340.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/11/2024 | 1109.3600 | 1109360.0000 |
| 02/11/2024 | 2350.9600 | 2350960.0000 |
| 03/11/2024 | 2595.5500 | 2595550.0000 |
| 04/11/2024 | 594.5000 | 594500.0000 |
| 05/11/2024 | 183.3700 | 183370.0000 |
| 06/11/2024 | 93.6200 | 93620.0000 |
| 07/11/2024 | 0.0000 | 0.0000 |
| 08/11/2024 | 918.7700 | 918770.0000 |
| 09/11/2024 | 2248.8800 | 2248880.0000 |
| 10/11/2024 | 820.9700 | 820970.0000 |
| 11/11/2024 | 0.0000 | 0.0000 |
| 12/11/2024 | 51.1100 | 51110.0000 |
| 13/11/2024 | 1390.5200 | 1390520.0000 |
| 14/11/2024 | 1371.3800 | 1371380.0000 |
| 15/11/2024 | 242.1000 | 242100.0000 |
| 16/11/2024 | 2592.4600 | 2592460.0000 |
| 17/11/2024 | 466.6400 | 466640.0000 |
| 18/11/2024 | 0.0000 | 0.0000 |
| 19/11/2024 | 248.9200 | 248920.0000 |
| 20/11/2024 | 1396.2400 | 1396240.0000 |
| 21/11/2024 | 900.6100 | 900610.0000 |
| 22/11/2024 | 888.3000 | 888300.0000 |
| 23/11/2024 | 2426.2300 | 2426230.0000 |
| 24/11/2024 | 1990.1100 | 1990110.0000 |
| 25/11/2024 | 502.4900 | 502490.0000 |
| 26/11/2024 | 118.2400 | 118240.0000 |
| 27/11/2024 | 106.0100 | 106010.0000 |
| 28/11/2024 | 241.9100 | 241910.0000 |
| 29/11/2024 | 1491.4100 | 1491410.0000 |
| 30/11/2024 | 2554.9900 | 2554990.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/12/2024 | 2154.4200 | 2154420.0000 |
| 02/12/2024 | 1193.9000 | 1193900.0000 |
| 03/12/2024 | 573.3000 | 573300.0000 |
| 04/12/2024 | 293.6100 | 293610.0000 |
| 05/12/2024 | 1241.4800 | 1241480.0000 |
| 06/12/2024 | 844.6900 | 844690.0000 |
| 07/12/2024 | 100.4600 | 100460.0000 |
| 08/12/2024 | 2388.6500 | 2388650.0000 |
| 09/12/2024 | 745.5000 | 745500.0000 |
| 10/12/2024 | 1351.2000 | 1351200.0000 |
| 11/12/2024 | 1321.0900 | 1321090.0000 |
| 12/12/2024 | 665.3700 | 665370.0000 |
| 13/12/2024 | 0.0000 | 0.0000 |
| 14/12/2024 | 0.0000 | 0.0000 |
| 15/12/2024 | 0.0000 | 0.0000 |
| 16/12/2024 | 198.3900 | 198390.0000 |
| 17/12/2024 | 90.4900 | 90490.0000 |
| 18/12/2024 | 1382.8400 | 1382840.0000 |
| 19/12/2024 | 1139.7500 | 1139750.0000 |
| 20/12/2024 | 1295.0400 | 1295040.0000 |
| 21/12/2024 | 2845.8300 | 2845830.0000 |
| 22/12/2024 | 2403.5700 | 2403570.0000 |
| 23/12/2024 | 291.9900 | 291990.0000 |
| 24/12/2024 | 870.1100 | 870110.0000 |
| 25/12/2024 | 1873.7200 | 1873720.0000 |
| 26/12/2024 | 612.9900 | 612990.0000 |
| 27/12/2024 | 117.4900 | 117490.0000 |
| 28/12/2024 | 0.0000 | 0.0000 |
| 29/12/2024 | 0.0000 | 0.0000 |
| 30/12/2024 | 1028.6400 | 1028640.0000 |
| 31/12/2024 | 675.9600 | 675960.0000 |

## Well 2A

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/01/2024 | 0.0000 | 0.0000 |
| 02/01/2024 | 937.4800 | 937480.0000 |
| 03/01/2024 | 1074.5100 | 1074510.0000 |
| 04/01/2024 | 2202.4900 | 2202490.0000 |
| 05/01/2024 | 1750.3300 | 1750330.0000 |
| 06/01/2024 | 0.0000 | 0.0000 |
| 07/01/2024 | 1842.2000 | 1842200.0000 |
| 08/01/2024 | 1504.7000 | 1504700.0000 |
| 09/01/2024 | 1497.1100 | 1497110.0000 |
| 10/01/2024 | 1704.0200 | 1704020.0000 |
| 11/01/2024 | 1832.2800 | 1832280.0000 |
| 12/01/2024 | 894.4800 | 894480.0000 |
| 13/01/2024 | 0.0000 | 0.0000 |
| 14/01/2024 | 0.0000 | 0.0000 |
| 15/01/2024 | 622.0900 | 622090.0000 |
| 16/01/2024 | 800.1400 | 800140.0000 |
| 17/01/2024 | 778.6200 | 778620.0000 |
| 18/01/2024 | 364.3600 | 364360.0000 |
| 19/01/2024 | 839.1800 | 839180.0000 |
| 20/01/2024 | 0.0000 | 0.0000 |
| 21/01/2024 | 0.0000 | 0.0000 |
| 22/01/2024 | 1659.7600 | 1659760.0000 |
| 23/01/2024 | 1000.6100 | 1000610.0000 |
| 24/01/2024 | 1823.8300 | 1823830.0000 |
| 25/01/2024 | 1856.6600 | 1856660.0000 |
| 26/01/2024 | 1525.1900 | 1525190.0000 |
| 27/01/2024 | 2339.7800 | 2339780.0000 |
| 28/01/2024 | 618.4900 | 618490.0000 |
| 29/01/2024 | 0.0000 | 0.0000 |
| 30/01/2024 | 1433.9900 | 1433990.0000 |
| 31/01/2024 | 0.0000 | 0.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/02/2024 | 1910.3100 | 1910310.0000 |
| 02/02/2024 | 729.4900 | 729490.0000 |
| 03/02/2024 | 0.0000 | 0.0000 |
| 04/02/2024 | 0.0000 | 0.0000 |
| 05/02/2024 | 397.1200 | 397120.0000 |
| 06/02/2024 | 625.5800 | 625580.0000 |
| 07/02/2024 | 722.5800 | 722580.0000 |
| 08/02/2024 | 2007.2500 | 2007250.0000 |
| 09/02/2024 | 2945.2900 | 2945290.0000 |
| 10/02/2024 | 1516.3500 | 1516350.0000 |
| 11/02/2024 | 2247.7200 | 2247720.0000 |
| 12/02/2024 | 853.8800 | 853880.0000 |
| 13/02/2024 | 819.9800 | 819980.0000 |
| 14/02/2024 | 0.0000 | 0.0000 |
| 15/02/2024 | 984.5700 | 984570.0000 |
| 16/02/2024 | 0.0000 | 0.0000 |
| 17/02/2024 | 0.0000 | 0.0000 |
| 18/02/2024 | 0.0000 | 0.0000 |
| 19/02/2024 | 0.0000 | 0.0000 |
| 20/02/2024 | 0.0000 | 0.0000 |
| 21/02/2024 | 621.8100 | 621810.0000 |
| 22/02/2024 | 1698.8900 | 1698890.0000 |
| 23/02/2024 | 1151.2900 | 1151290.0000 |
| 24/02/2024 | 0.0000 | 0.0000 |
| 25/02/2024 | 0.0000 | 0.0000 |
| 26/02/2024 | 0.0000 | 0.0000 |
| 27/02/2024 | 784.0300 | 784030.0000 |
| 28/02/2024 | 382.7500 | 382750.0000 |
| 29/02/2024 | 1,712.98 | 1712980.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/03/2024 | 1074.0400 | 1074040.0000 |
| 02/03/2024 | 0.0000 | 0.0000 |
| 03/03/2024 | 0.0000 | 0.0000 |
| 04/03/2024 | 605.2000 | 605200.0000 |
| 05/03/2024 | 161.9700 | 161970.0000 |
| 06/03/2024 | 229.3800 | 229380.0000 |
| 07/03/2024 | 45.1800 | 45180.0000 |
| 08/03/2024 | 1378.8400 | 1378840.0000 |
| 09/03/2024 | 0.0000 | 0.0000 |
| 10/03/2024 | 0.0000 | 0.0000 |
| 11/03/2024 | 67.7000 | 67700.0000 |
| 12/03/2024 | 167.7100 | 167710.0000 |
| 13/03/2024 | 1767.9600 | 1767960.0000 |
| 14/03/2024 | 510.1000 | 510100.0000 |
| 15/03/2024 | 685.5000 | 685500.0000 |
| 16/03/2024 | 0.0000 | 0.0000 |
| 17/03/2024 | 0.0000 | 0.0000 |
| 18/03/2024 | 925.5000 | 925500.0000 |
| 19/03/2024 | 793.3200 | 793320.0000 |
| 20/03/2024 | 0.0000 | 0.0000 |
| 21/03/2024 | 662.3800 | 662380.0000 |
| 22/03/2024 | 521.1700 | 521170.0000 |
| 23/03/2024 | 0.0000 | 0.0000 |
| 24/03/2024 | 0.0000 | 0.0000 |
| 25/03/2024 | 1453.6200 | 1453620.0000 |
| 26/03/2024 | 1663.8100 | 1663810.0000 |
| 27/03/2024 | 0.0000 | 0.0000 |
| 28/03/2024 | 86.3800 | 86380.0000 |
| 29/03/2024 | 2326.2600 | 2326260.0000 |
| 30/03/2024 | 2488.2300 | 2488230.0000 |
| 31/03/2024 | 632.5000 | 632500.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/04/2024 | 0.0000 | 0.0000 |
| 02/04/2024 | 370.1000 | 370100.0000 |
| 03/04/2024 | 1206.3400 | 1206340.0000 |
| 04/04/2024 | 1113.0900 | 1113090.0000 |
| 05/04/2024 | 1804.3800 | 1804380.0000 |
| 06/04/2024 | 2809.2000 | 2809200.0000 |
| 07/04/2024 | 374.7300 | 374730.0000 |
| 08/04/2024 | 1860.7300 | 1860730.0000 |
| 09/04/2024 | 933.2000 | 933200.0000 |
| 10/04/2024 | 0.0000 | 0.0000 |
| 11/04/2024 | 147.2900 | 147290.0000 |
| 12/04/2024 | 520.8100 | 520810.0000 |
| 13/04/2024 | 0.0000 | 0.0000 |
| 14/04/2024 | 1519.3300 | 1519330.0000 |
| 15/04/2024 | 2912.4900 | 2912490.0000 |
| 16/04/2024 | 2635.3700 | 2635370.0000 |
| 17/04/2024 | 2960.0400 | 2960040.0000 |
| 18/04/2024 | 442.8200 | 442820.0000 |
| 19/04/2024 | 1245.3100 | 1245310.0000 |
| 20/04/2024 | 2675.1600 | 2675160.0000 |
| 21/04/2024 | 2023.9000 | 2023900.0000 |
| 22/04/2024 | 199.3800 | 199380.0000 |
| 23/04/2024 | 1788.6800 | 1788680.0000 |
| 24/04/2024 | 1151.6900 | 1151690.0000 |
| 25/04/2024 | 433.6700 | 433670.0000 |
| 26/04/2024 | 411.2700 | 411270.0000 |
| 27/04/2024 | 0.0000 | 0.0000 |
| 28/04/2024 | 278.3300 | 278330.0000 |
| 29/04/2024 | 150.1100 | 150110.0000 |
| 30/04/2024 | 1123.9400 | 1123940.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/05/2024 | 408.9800 | 408980.0000 |
| 02/05/2024 | 105.3000 | 105300.0000 |
| 03/05/2024 | 1677.1300 | 1677130.0000 |
| 04/05/2024 | 2566.3800 | 2566380.0000 |
| 05/05/2024 | 2148.2800 | 2148280.0000 |
| 06/05/2024 | 1648.9200 | 1648920.0000 |
| 07/05/2024 | 1283.4600 | 1283460.0000 |
| 08/05/2024 | 249.3000 | 249300.0000 |
| 09/05/2024 | 1962.9400 | 1962940.0000 |
| 10/05/2024 | 1114.0200 | 1114020.0000 |
| 11/05/2024 | 0.0000 | 0.0000 |
| 12/05/2024 | 0.0000 | 0.0000 |
| 13/05/2024 | 1748.3700 | 1748370.0000 |
| 14/05/2024 | 1507.5100 | 1507510.0000 |
| 15/05/2024 | 0.0000 | 0.0000 |
| 16/05/2024 | 0.0000 | 0.0000 |
| 17/05/2024 | 890.0600 | 890060.0000 |
| 18/05/2024 | 1213.0700 | 1213070.0000 |
| 19/05/2024 | 2528.4600 | 2528460.0000 |
| 20/05/2024 | 2939.8400 | 2939840.0000 |
| 21/05/2024 | 1870.4700 | 1870470.0000 |
| 22/05/2024 | 1839.5600 | 1839560.0000 |
| 23/05/2024 | 1075.9900 | 1075990.0000 |
| 24/05/2024 | 251.2300 | 251230.0000 |
| 25/05/2024 | 0.0000 | 0.0000 |
| 26/05/2024 | 0.0000 | 0.0000 |
| 27/05/2024 | 1931.5800 | 1931580.0000 |
| 28/05/2024 | 605.9800 | 605980.0000 |
| 29/05/2024 | 525.7400 | 525740.0000 |
| 30/05/2024 | 1608.1400 | 1608140.0000 |
| 31/05/2024 | 1669.6500 | 1669650.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/06/2024 | 0.0000 | 0.0000 |
| 02/06/2024 | 0.0000 | 0.0000 |
| 03/06/2024 | 835.8100 | 835810.0000 |
| 04/06/2024 | 633.4200 | 633420.0000 |
| 05/06/2024 | 162.3100 | 162310.0000 |
| 06/06/2024 | 657.9800 | 657980.0000 |
| 07/06/2024 | 0.0000 | 0.0000 |
| 08/06/2024 | 2315.0200 | 2315020.0000 |
| 09/06/2024 | 671.2100 | 671210.0000 |
| 10/06/2024 | 2345.5500 | 2345550.0000 |
| 11/06/2024 | 903.4800 | 903480.0000 |
| 12/06/2024 | 1948.5600 | 1948560.0000 |
| 13/06/2024 | 806.1700 | 806170.0000 |
| 14/06/2024 | 1383.6500 | 1383650.0000 |
| 15/06/2024 | 2933.5200 | 2933520.0000 |
| 16/06/2024 | 2954.7400 | 2954740.0000 |
| 17/06/2024 | 2005.2700 | 2005270.0000 |
| 18/06/2024 | 1284.7900 | 1284790.0000 |
| 19/06/2024 | 2211.9900 | 2211990.0000 |
| 20/06/2024 | 2138.3500 | 2138350.0000 |
| 21/06/2024 | 2205.9600 | 2205960.0000 |
| 22/06/2024 | 0.0000 | 0.0000 |
| 23/06/2024 | 0.0000 | 0.0000 |
| 24/06/2024 | 1796.6700 | 1796670.0000 |
| 25/06/2024 | 1635.4600 | 1635460.0000 |
| 26/06/2024 | 1041.0900 | 1041090.0000 |
| 27/06/2024 | 223.6500 | 223650.0000 |
| 28/06/2024 | 0.0000 | 0.0000 |
| 29/06/2024 | 0.0000 | 0.0000 |
| 30/06/2024 | 929.4400 | 929440.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/07/2024 | 2402.4600 | 2402460.0000 |
| 02/07/2024 | 1026.9900 | 1026990.0000 |
| 03/07/2024 | 668.3900 | 668390.0000 |
| 04/07/2024 | 1260.7800 | 1260780.0000 |
| 05/07/2024 | 1775.6900 | 1775690.0000 |
| 06/07/2024 | 0.0000 | 0.0000 |
| 07/07/2024 | 0.0000 | 0.0000 |
| 08/07/2024 | 1438.6700 | 1438670.0000 |
| 09/07/2024 | 1925.7800 | 1925780.0000 |
| 10/07/2024 | 2428.1200 | 2428120.0000 |
| 11/07/2024 | 2654.7800 | 2654780.0000 |
| 12/07/2024 | 1004.2400 | 1004240.0000 |
| 13/07/2024 | 0.0000 | 0.0000 |
| 14/07/2024 | 0.0000 | 0.0000 |
| 15/07/2024 | 1332.2200 | 1332220.0000 |
| 16/07/2024 | 1042.5100 | 1042510.0000 |
| 17/07/2024 | 1795.4000 | 1795400.0000 |
| 18/07/2024 | 2195.1400 | 2195140.0000 |
| 19/07/2024 | 1601.7000 | 1601700.0000 |
| 20/07/2024 | 2672.0300 | 2672030.0000 |
| 21/07/2024 | 2748.5400 | 2748540.0000 |
| 22/07/2024 | 932.8700 | 932870.0000 |
| 23/07/2024 | 330.5300 | 330530.0000 |
| 24/07/2024 | 1970.8300 | 1970830.0000 |
| 25/07/2024 | 1059.9300 | 1059930.0000 |
| 26/07/2024 | 108.1100 | 108110.0000 |
| 27/07/2024 | 0.0000 | 0.0000 |
| 28/07/2024 | 0.0000 | 0.0000 |
| 29/07/2024 | 940.4500 | 940450.0000 |
| 30/07/2024 | 1776.0800 | 1776080.0000 |
| 31/07/2024 | 720.3300 | 720330.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/08/2024 | 976.1800 | 976180.0000 |
| 02/08/2024 | 375.8100 | 375810.0000 |
| 03/08/2024 | 0.0000 | 0.0000 |
| 04/08/2024 | 0.0000 | 0.0000 |
| 05/08/2024 | 0.0000 | 0.0000 |
| 06/08/2024 | 1756.0700 | 1756070.0000 |
| 07/08/2024 | 658.4400 | 658440.0000 |
| 08/08/2024 | 1234.0500 | 1234050.0000 |
| 09/08/2024 | 0.0000 | 0.0000 |
| 10/08/2024 | 0.0000 | 0.0000 |
| 11/08/2024 | 0.0000 | 0.0000 |
| 12/08/2024 | 1067.7600 | 1067760.0000 |
| 13/08/2024 | 62.9500 | 62950.0000 |
| 14/08/2024 | 402.4600 | 402460.0000 |
| 15/08/2024 | 0.0000 | 0.0000 |
| 16/08/2024 | 1481.7700 | 1481770.0000 |
| 17/08/2024 | 3630.4700 | 3630470.0000 |
| 18/08/2024 | 2435.9300 | 2435930.0000 |
| 19/08/2024 | 622.9400 | 622940.0000 |
| 20/08/2024 | 1205.4200 | 1205420.0000 |
| 21/08/2024 | 1457.9400 | 1457940.0000 |
| 22/08/2024 | 1248.2500 | 1248250.0000 |
| 23/08/2024 | 658.5200 | 658520.0000 |
| 24/08/2024 | 0.0000 | 0.0000 |
| 25/08/2024 | 0.0000 | 0.0000 |
| 26/08/2024 | 1146.7100 | 1146710.0000 |
| 27/08/2024 | 1559.2600 | 1559260.0000 |
| 28/08/2024 | 1093.2700 | 1093270.0000 |
| 29/08/2024 | 896.9600 | 896960.0000 |
| 30/08/2024 | 1130.7000 | 1130700.0000 |
| 31/08/2024 | 0.0000 | 0.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/09/2024 | 191.2500 | 191250.0000 |
| 02/09/2024 | 0.0000 | 0.0000 |
| 03/09/2024 | 1439.5000 | 1439500.0000 |
| 04/09/2024 | 1511.2100 | 1511210.0000 |
| 05/09/2024 | 1457.5600 | 1457560.0000 |
| 06/09/2024 | 2379.9700 | 2379970.0000 |
| 07/09/2024 | 0.0000 | 0.0000 |
| 08/09/2024 | 0.0000 | 0.0000 |
| 09/09/2024 | 1081.1700 | 1081170.0000 |
| 10/09/2024 | 2504.0700 | 2504070.0000 |
| 11/09/2024 | 2426.1600 | 2426160.0000 |
| 12/09/2024 | 1280.0800 | 1280080.0000 |
| 13/09/2024 | 1601.1900 | 1601190.0000 |
| 14/09/2024 | 2657.7200 | 2657720.0000 |
| 15/09/2024 | 3268.4900 | 3268490.0000 |
| 16/09/2024 | 1708.2500 | 1708250.0000 |
| 17/09/2024 | 1044.8100 | 1044810.0000 |
| 18/09/2024 | 2337.0300 | 2337030.0000 |
| 19/09/2024 | 1310.8900 | 1310890.0000 |
| 20/09/2024 | 583.7000 | 583700.0000 |
| 21/09/2024 | 0.0000 | 0.0000 |
| 22/09/2024 | 316.5000 | 316500.0000 |
| 23/09/2024 | 197.3700 | 197370.0000 |
| 24/09/2024 | 856.8200 | 856820.0000 |
| 25/09/2024 | 2530.8700 | 2530870.0000 |
| 26/09/2024 | 902.0800 | 902080.0000 |
| 27/09/2024 | 677.2500 | 677250.0000 |
| 28/09/2024 | 0.0000 | 0.0000 |
| 29/09/2024 | 1205.3500 | 1205350.0000 |
| 30/09/2024 | 2947.4200 | 2947420.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/10/2024 | 1206.3900 | 1206390.0000 |
| 02/10/2024 | 1294.4200 | 1294420.0000 |
| 03/10/2024 | 1121.1400 | 1121140.0000 |
| 04/10/2024 | 258.1300 | 258130.0000 |
| 05/10/2024 | 2129.6600 | 2129660.0000 |
| 06/10/2024 | 2853.8400 | 2853840.0000 |
| 07/10/2024 | 1006.3400 | 1006340.0000 |
| 08/10/2024 | 77.0700 | 77070.0000 |
| 09/10/2024 | 616.6500 | 616650.0000 |
| 10/10/2024 | 0.0000 | 0.0000 |
| 11/10/2024 | 1883.2300 | 1883230.0000 |
| 12/10/2024 | 754.1300 | 754130.0000 |
| 13/10/2024 | 0.0000 | 0.0000 |
| 14/10/2024 | 0.0000 | 0.0000 |
| 15/10/2024 | 257.7500 | 257750.0000 |
| 16/10/2024 | 870.3400 | 870340.0000 |
| 17/10/2024 | 1568.8000 | 1568800.0000 |
| 18/10/2024 | 1827.3500 | 1827350.0000 |
| 19/10/2024 | 0.0000 | 0.0000 |
| 20/10/2024 | 14.3900 | 14390.0000 |
| 21/10/2024 | 2139.8400 | 2139840.0000 |
| 22/10/2024 | 2474.2300 | 2474230.0000 |
| 23/10/2024 | 1516.6900 | 1516690.0000 |
| 24/10/2024 | 1677.9000 | 1677900.0000 |
| 25/10/2024 | 682.8700 | 682870.0000 |
| 26/10/2024 | 0.0000 | 0.0000 |
| 27/10/2024 | 0.0000 | 0.0000 |
| 28/10/2024 | 0.0000 | 0.0000 |
| 29/10/2024 | 2013.0000 | 2013000.0000 |
| 30/10/2024 | 1197.5000 | 1197500.0000 |
| 31/10/2024 | 67.2800 | 67280.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/11/2024 | 1630.1500 | 1630150.0000 |
| 02/11/2024 | 0.0000 | 0.0000 |
| 03/11/2024 | 0.0000 | 0.0000 |
| 04/11/2024 | 1460.1200 | 1460120.0000 |
| 05/11/2024 | 839.0400 | 839040.0000 |
| 06/11/2024 | 1344.7000 | 1344700.0000 |
| 07/11/2024 | 891.9700 | 891970.0000 |
| 08/11/2024 | 650.7200 | 650720.0000 |
| 09/11/2024 | 0.0000 | 0.0000 |
| 10/11/2024 | 1154.0000 | 1154000.0000 |
| 11/11/2024 | 0.0000 | 0.0000 |
| 12/11/2024 | 509.5400 | 509540.0000 |
| 13/11/2024 | 600.9400 | 600940.0000 |
| 14/11/2024 | 1135.8400 | 1135840.0000 |
| 15/11/2024 | 2064.8400 | 2064840.0000 |
| 16/11/2024 | 0.0000 | 0.0000 |
| 17/11/2024 | 163.5000 | 163500.0000 |
| 18/11/2024 | 1770.7300 | 1770730.0000 |
| 19/11/2024 | 1141.8600 | 1141860.0000 |
| 20/11/2024 | 0.0000 | 0.0000 |
| 21/11/2024 | 1861.3300 | 1861330.0000 |
| 22/11/2024 | 1573.7600 | 1573760.0000 |
| 23/11/2024 | 0.0000 | 0.0000 |
| 24/11/2024 | 205.6800 | 205680.0000 |
| 25/11/2024 | 0.0000 | 0.0000 |
| 26/11/2024 | 350.0400 | 350040.0000 |
| 27/11/2024 | 84.1400 | 84140.0000 |
| 28/11/2024 | 0.0000 | 0.0000 |
| 29/11/2024 | 554.9500 | 554950.0000 |
| 30/11/2024 | 0.0000 | 0.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/12/2024 | 0.0000 | 0.0000 |
| 02/12/2024 | 1380.3500 | 1380350.0000 |
| 03/12/2024 | 315.1400 | 315140.0000 |
| 04/12/2024 | 952.6000 | 952600.0000 |
| 05/12/2024 | 699.2800 | 699280.0000 |
| 06/12/2024 | 632.7300 | 632730.0000 |
| 07/12/2024 | 0.0000 | 0.0000 |
| 08/12/2024 | 0.0000 | 0.0000 |
| 09/12/2024 | 474.5600 | 474560.0000 |
| 10/12/2024 | 522.0000 | 522000.0000 |
| 11/12/2024 | 778.6000 | 778600.0000 |
| 12/12/2024 | 0.0000 | 0.0000 |
| 13/12/2024 | 755.0700 | 755070.0000 |
| 14/12/2024 | 0.0000 | 0.0000 |
| 15/12/2024 | 1925.0600 | 1925060.0000 |
| 16/12/2024 | 361.9600 | 361960.0000 |
| 17/12/2024 | 1532.0600 | 1532060.0000 |
| 18/12/2024 | 837.3100 | 837310.0000 |
| 19/12/2024 | 1602.9200 | 1602920.0000 |
| 20/12/2024 | 787.8900 | 787890.0000 |
| 21/12/2024 | 0.0000 | 0.0000 |
| 22/12/2024 | 0.0000 | 0.0000 |
| 23/12/2024 | 231.0700 | 231070.0000 |
| 24/12/2024 | 683.0700 | 683070.0000 |
| 25/12/2024 | 0.0000 | 0.0000 |
| 26/12/2024 | 0.0000 | 0.0000 |
| 27/12/2024 | 1822.9000 | 1822900.0000 |
| 28/12/2024 | 2297.2400 | 2297240.0000 |
| 29/12/2024 | 2468.8400 | 2468840.0000 |
| 30/12/2024 | 545.1600 | 545160.0000 |
| 31/12/2024 | 0.0000 | 0.0000 |

## Well 3

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/01/2024 | 689.0200 | 689020.0000 |
| 02/01/2024 | 1077.6700 | 1077670.0000 |
| 03/01/2024 | 1643.1000 | 1643100.0000 |
| 04/01/2024 | 577.5700 | 577570.0000 |
| 05/01/2024 | 963.6100 | 963610.0000 |
| 06/01/2024 | 2524.5700 | 2524570.0000 |
| 07/01/2024 | 387.4500 | 387450.0000 |
| 08/01/2024 | 678.9000 | 678900.0000 |
| 09/01/2024 | 1379.7200 | 1379720.0000 |
| 10/01/2024 | 1184.7600 | 1184760.0000 |
| 11/01/2024 | 236.5100 | 236510.0000 |
| 12/01/2024 | 347.3400 | 347340.0000 |
| 13/01/2024 | 2150.3800 | 2150380.0000 |
| 14/01/2024 | 2273.2300 | 2273230.0000 |
| 15/01/2024 | 508.5700 | 508570.0000 |
| 16/01/2024 | 1100.2000 | 1100200.0000 |
| 17/01/2024 | 988.3800 | 988380.0000 |
| 18/01/2024 | 1471.2000 | 1471200.0000 |
| 19/01/2024 | 1251.1200 | 1251120.0000 |
| 20/01/2024 | 2610.2600 | 2610260.0000 |
| 21/01/2024 | 1730.7500 | 1730750.0000 |
| 22/01/2024 | 1247.1700 | 1247170.0000 |
| 23/01/2024 | 1683.6300 | 1683630.0000 |
| 24/01/2024 | 824.6400 | 824640.0000 |
| 25/01/2024 | 0.0000 | 0.0000 |
| 26/01/2024 | 80.5600 | 80560.0000 |
| 27/01/2024 | 0.0000 | 0.0000 |
| 28/01/2024 | 1946.6200 | 1946620.0000 |
| 29/01/2024 | 1488.9000 | 1488900.0000 |
| 30/01/2024 | 449.1800 | 449180.0000 |
| 31/01/2024 | 1837.7700 | 1837770.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/02/2024 | 850.0700 | 850070.0000 |
| 02/02/2024 | 2025.4200 | 2025420.0000 |
| 03/02/2024 | 2559.0300 | 2559030.0000 |
| 04/02/2024 | 2409.0200 | 2409020.0000 |
| 05/02/2024 | 1755.8900 | 1755890.0000 |
| 06/02/2024 | 1978.6700 | 1978670.0000 |
| 07/02/2024 | 1872.9800 | 1872980.0000 |
| 08/02/2024 | 624.0400 | 624040.0000 |
| 09/02/2024 | 0.0000 | 0.0000 |
| 10/02/2024 | 0.0000 | 0.0000 |
| 11/02/2024 | 206.9100 | 206910.0000 |
| 12/02/2024 | 1837.6300 | 1837630.0000 |
| 13/02/2024 | 845.7800 | 845780.0000 |
| 14/02/2024 | 2173.2200 | 2173220.0000 |
| 15/02/2024 | 1111.5400 | 1111540.0000 |
| 16/02/2024 | 2574.0200 | 2574020.0000 |
| 17/02/2024 | 2563.9500 | 2563950.0000 |
| 18/02/2024 | 1943.1100 | 1943110.0000 |
| 19/02/2024 | 2645.2400 | 2645240.0000 |
| 20/02/2024 | 1390.5000 | 1390500.0000 |
| 21/02/2024 | 1152.8900 | 1152890.0000 |
| 22/02/2024 | 830.0900 | 830090.0000 |
| 23/02/2024 | 1026.0500 | 1026050.0000 |
| 24/02/2024 | 0.0000 | 0.0000 |
| 25/02/2024 | 0.0000 | 0.0000 |
| 26/02/2024 | 1713.3300 | 1713330.0000 |
| 27/02/2024 | 663.7800 | 663780.0000 |
| 28/02/2024 | 1509.4700 | 1509470.0000 |
| 29/02/2024 | 976.9000 | 976900.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/03/2024 | 110.6600 | 110660.0000 |
| 02/03/2024 | 2385.9200 | 2385920.0000 |
| 03/03/2024 | 2414.1500 | 2414150.0000 |
| 04/03/2024 | 1258.0700 | 1258070.0000 |
| 05/03/2024 | 752.2400 | 752240.0000 |
| 06/03/2024 | 1670.8000 | 1670800.0000 |
| 07/03/2024 | 755.6000 | 755600.0000 |
| 08/03/2024 | 484.3100 | 484310.0000 |
| 09/03/2024 | 2381.7400 | 2381740.0000 |
| 10/03/2024 | 2051.8500 | 2051850.0000 |
| 11/03/2024 | 2566.7400 | 2566740.0000 |
| 12/03/2024 | 1049.1600 | 1049160.0000 |
| 13/03/2024 | 305.7500 | 305750.0000 |
| 14/03/2024 | 819.3300 | 819330.0000 |
| 15/03/2024 | 1328.6500 | 1328650.0000 |
| 16/03/2024 | 2343.6600 | 2343660.0000 |
| 17/03/2024 | 2590.0900 | 2590090.0000 |
| 18/03/2024 | 645.3800 | 645380.0000 |
| 19/03/2024 | 129.0300 | 129030.0000 |
| 20/03/2024 | 1781.0300 | 1781030.0000 |
| 21/03/2024 | 2356.5100 | 2356510.0000 |
| 22/03/2024 | 716.5900 | 716590.0000 |
| 23/03/2024 | 0.0000 | 0.0000 |
| 24/03/2024 | 0.0000 | 0.0000 |
| 25/03/2024 | 554.4900 | 554490.0000 |
| 26/03/2024 | 445.3200 | 445320.0000 |
| 27/03/2024 | 1851.5300 | 1851530.0000 |
| 28/03/2024 | 1360.2100 | 1360210.0000 |
| 29/03/2024 | 0.0000 | 0.0000 |
| 30/03/2024 | 0.0000 | 0.0000 |
| 31/03/2024 | 1393.7600 | 1393760.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/04/2024 | 2919.3400 | 2919340.0000 |
| 02/04/2024 | 1307.6300 | 1307630.0000 |
| 03/04/2024 | 245.6000 | 245600.0000 |
| 04/04/2024 | 2176.8200 | 2176820.0000 |
| 05/04/2024 | 832.6700 | 832670.0000 |
| 06/04/2024 | 0.0000 | 0.0000 |
| 07/04/2024 | 1801.1600 | 1801160.0000 |
| 08/04/2024 | 887.8300 | 887830.0000 |
| 09/04/2024 | 262.4900 | 262490.0000 |
| 10/04/2024 | 1719.1100 | 1719110.0000 |
| 11/04/2024 | 1184.5900 | 1184590.0000 |
| 12/04/2024 | 1005.2300 | 1005230.0000 |
| 13/04/2024 | 2551.6300 | 2551630.0000 |
| 14/04/2024 | 579.0400 | 579040.0000 |
| 15/04/2024 | 0.0000 | 0.0000 |
| 16/04/2024 | 188.8300 | 188830.0000 |
| 17/04/2024 | 0.0000 | 0.0000 |
| 18/04/2024 | 2612.0400 | 2612040.0000 |
| 19/04/2024 | 944.8700 | 944870.0000 |
| 20/04/2024 | 0.0000 | 0.0000 |
| 21/04/2024 | 0.0000 | 0.0000 |
| 22/04/2024 | 1574.8300 | 1574830.0000 |
| 23/04/2024 | 729.8400 | 729840.0000 |
| 24/04/2024 | 1682.7400 | 1682740.0000 |
| 25/04/2024 | 1715.7800 | 1715780.0000 |
| 26/04/2024 | 680.4500 | 680450.0000 |
| 27/04/2024 | 0.0000 | 0.0000 |
| 28/04/2024 | 703.0100 | 703010.0000 |
| 29/04/2024 | 1803.6500 | 1803650.0000 |
| 30/04/2024 | 1690.5600 | 1690560.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/05/2024 | 910.5500 | 910550.0000 |
| 02/05/2024 | 682.0300 | 682030.0000 |
| 03/05/2024 | 0.0000 | 0.0000 |
| 04/05/2024 | 0.0000 | 0.0000 |
| 05/05/2024 | 257.4700 | 257470.0000 |
| 06/05/2024 | 1466.7500 | 1466750.0000 |
| 07/05/2024 | 1709.0700 | 1709070.0000 |
| 08/05/2024 | 903.9400 | 903940.0000 |
| 09/05/2024 | 527.9100 | 527910.0000 |
| 10/05/2024 | 708.6500 | 708650.0000 |
| 11/05/2024 | 0.0000 | 0.0000 |
| 12/05/2024 | 271.1200 | 271120.0000 |
| 13/05/2024 | 0.0000 | 0.0000 |
| 14/05/2024 | 1863.8500 | 1863850.0000 |
| 15/05/2024 | 1817.3300 | 1817330.0000 |
| 16/05/2024 | 403.2500 | 403250.0000 |
| 17/05/2024 | 1032.8200 | 1032820.0000 |
| 18/05/2024 | 1289.7000 | 1289700.0000 |
| 19/05/2024 | 0.0000 | 0.0000 |
| 20/05/2024 | 0.0000 | 0.0000 |
| 21/05/2024 | 381.8800 | 381880.0000 |
| 22/05/2024 | 147.5900 | 147590.0000 |
| 23/05/2024 | 0.0000 | 0.0000 |
| 24/05/2024 | 744.4100 | 744410.0000 |
| 25/05/2024 | 0.0000 | 0.0000 |
| 26/05/2024 | 473.1700 | 473170.0000 |
| 27/05/2024 | 57.0100 | 57010.0000 |
| 28/05/2024 | 1083.3400 | 1083340.0000 |
| 29/05/2024 | 1365.6400 | 1365640.0000 |
| 30/05/2024 | 757.0000 | 757000.0000 |
| 31/05/2024 | 426.3800 | 426380.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/06/2024 | 0.0000 | 0.0000 |
| 02/06/2024 | 0.0000 | 0.0000 |
| 03/06/2024 | 1330.3400 | 1330340.0000 |
| 04/06/2024 | 1004.1900 | 1004190.0000 |
| 05/06/2024 | 655.8700 | 655870.0000 |
| 06/06/2024 | 47.8300 | 47830.0000 |
| 07/06/2024 | 2034.4600 | 2034460.0000 |
| 08/06/2024 | 520.7100 | 520710.0000 |
| 09/06/2024 | 1770.9200 | 1770920.0000 |
| 10/06/2024 | 429.8200 | 429820.0000 |
| 11/06/2024 | 1618.4700 | 1618470.0000 |
| 12/06/2024 | 1904.3900 | 1904390.0000 |
| 13/06/2024 | 53.8200 | 53820.0000 |
| 14/06/2024 | 657.9800 | 657980.0000 |
| 15/06/2024 | 0.0000 | 0.0000 |
| 16/06/2024 | 0.0000 | 0.0000 |
| 17/06/2024 | 472.6800 | 472680.0000 |
| 18/06/2024 | 1358.0300 | 1358030.0000 |
| 19/06/2024 | 1391.8800 | 1391880.0000 |
| 20/06/2024 | 0.0000 | 0.0000 |
| 21/06/2024 | 1004.8300 | 1004830.0000 |
| 22/06/2024 | 0.0000 | 0.0000 |
| 23/06/2024 | 1932.3400 | 1932340.0000 |
| 24/06/2024 | 1173.7600 | 1173760.0000 |
| 25/06/2024 | 485.2000 | 485200.0000 |
| 26/06/2024 | 1594.8600 | 1594860.0000 |
| 27/06/2024 | 1578.8400 | 1578840.0000 |
| 28/06/2024 | 1877.0300 | 1877030.0000 |
| 29/06/2024 | 740.0000 | 740000.0000 |
| 30/06/2024 | 408.6200 | 408620.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/07/2024 | 0.0000 | 0.0000 |
| 02/07/2024 | 1969.3200 | 1969320.0000 |
| 03/07/2024 | 2251.1700 | 2251170.0000 |
| 04/07/2024 | 998.1000 | 998100.0000 |
| 05/07/2024 | 1242.9500 | 1242950.0000 |
| 06/07/2024 | 0.0000 | 0.0000 |
| 07/07/2024 | 0.0000 | 0.0000 |
| 08/07/2024 | 1265.7100 | 1265710.0000 |
| 09/07/2024 | 384.5200 | 384520.0000 |
| 10/07/2024 | 539.9900 | 539990.0000 |
| 11/07/2024 | 711.8200 | 711820.0000 |
| 12/07/2024 | 1531.7500 | 1531750.0000 |
| 13/07/2024 | 0.0000 | 0.0000 |
| 14/07/2024 | 0.0000 | 0.0000 |
| 15/07/2024 | 539.3700 | 539370.0000 |
| 16/07/2024 | 793.0400 | 793040.0000 |
| 17/07/2024 | 0.0000 | 0.0000 |
| 18/07/2024 | 127.7500 | 127750.0000 |
| 19/07/2024 | 389.2300 | 389230.0000 |
| 20/07/2024 | 0.0000 | 0.0000 |
| 21/07/2024 | 0.0000 | 0.0000 |
| 22/07/2024 | 211.5900 | 211590.0000 |
| 23/07/2024 | 1661.9600 | 1661960.0000 |
| 24/07/2024 | 0.0000 | 0.0000 |
| 25/07/2024 | 1925.5100 | 1925510.0000 |
| 26/07/2024 | 1474.8300 | 1474830.0000 |
| 27/07/2024 | 0.0000 | 0.0000 |
| 28/07/2024 | 0.0000 | 0.0000 |
| 29/07/2024 | 1783.8900 | 1783890.0000 |
| 30/07/2024 | 927.6000 | 927600.0000 |
| 31/07/2024 | 1389.2200 | 1389220.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/08/2024 | 1367.0700 | 1367070.0000 |
| 02/08/2024 | 1769.8700 | 1769870.0000 |
| 03/08/2024 | 2683.7000 | 2683700.0000 |
| 04/08/2024 | 751.1400 | 751140.0000 |
| 05/08/2024 | 0.0000 | 0.0000 |
| 06/08/2024 | 121.4000 | 121400.0000 |
| 07/08/2024 | 1044.2600 | 1044260.0000 |
| 08/08/2024 | 0.0000 | 0.0000 |
| 09/08/2024 | 1798.7900 | 1798790.0000 |
| 10/08/2024 | 877.6200 | 877620.0000 |
| 11/08/2024 | 0.0000 | 0.0000 |
| 12/08/2024 | 1313.7900 | 1313790.0000 |
| 13/08/2024 | 1437.0200 | 1437020.0000 |
| 14/08/2024 | 1720.6000 | 1720600.0000 |
| 15/08/2024 | 1458.0800 | 1458080.0000 |
| 16/08/2024 | 194.9800 | 194980.0000 |
| 17/08/2024 | 0.0000 | 0.0000 |
| 18/08/2024 | 0.0000 | 0.0000 |
| 19/08/2024 | 817.3700 | 817370.0000 |
| 20/08/2024 | 187.8100 | 187810.0000 |
| 21/08/2024 | 0.0000 | 0.0000 |
| 22/08/2024 | 0.0000 | 0.0000 |
| 23/08/2024 | 1477.6300 | 1477630.0000 |
| 24/08/2024 | 247.2800 | 247280.0000 |
| 25/08/2024 | 0.0000 | 0.0000 |
| 26/08/2024 | 1075.0400 | 1075040.0000 |
| 27/08/2024 | 1621.3900 | 1621390.0000 |
| 28/08/2024 | 561.2000 | 561200.0000 |
| 29/08/2024 | 1377.5200 | 1377520.0000 |
| 30/08/2024 | 1390.0700 | 1390070.0000 |
| 31/08/2024 | 0.0000 | 0.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/09/2024 | 29.8300 | 29830.0000 |
| 02/09/2024 | 0.0000 | 0.0000 |
| 03/09/2024 | 171.6400 | 171640.0000 |
| 04/09/2024 | 2233.3400 | 2233340.0000 |
| 05/09/2024 | 792.0600 | 792060.0000 |
| 06/09/2024 | 459.3000 | 459300.0000 |
| 07/09/2024 | 0.0000 | 0.0000 |
| 08/09/2024 | 0.0000 | 0.0000 |
| 09/09/2024 | 1474.3800 | 1474380.0000 |
| 10/09/2024 | 954.8800 | 954880.0000 |
| 11/09/2024 | 0.0000 | 0.0000 |
| 12/09/2024 | 1289.1100 | 1289110.0000 |
| 13/09/2024 | 901.2700 | 901270.0000 |
| 14/09/2024 | 0.0000 | 0.0000 |
| 15/09/2024 | 0.0000 | 0.0000 |
| 16/09/2024 | 1213.7300 | 1213730.0000 |
| 17/09/2024 | 1418.2400 | 1418240.0000 |
| 18/09/2024 | 169.4100 | 169410.0000 |
| 19/09/2024 | 2430.7300 | 2430730.0000 |
| 20/09/2024 | 2121.8200 | 2121820.0000 |
| 21/09/2024 | 1719.9400 | 1719940.0000 |
| 22/09/2024 | 3091.0900 | 3091090.0000 |
| 23/09/2024 | 1266.3700 | 1266370.0000 |
| 24/09/2024 | 1164.8500 | 1164850.0000 |
| 25/09/2024 | 647.3900 | 647390.0000 |
| 26/09/2024 | 255.6900 | 255690.0000 |
| 27/09/2024 | 872.4100 | 872410.0000 |
| 28/09/2024 | 0.0000 | 0.0000 |
| 29/09/2024 | 519.9400 | 519940.0000 |
| 30/09/2024 | 0.0000 | 0.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/10/2024 | 209.3100 | 209310.0000 |
| 02/10/2024 | 1035.8000 | 1035800.0000 |
| 03/10/2024 | 1772.1200 | 1772120.0000 |
| 04/10/2024 | 1728.9200 | 1728920.0000 |
| 05/10/2024 | 819.9500 | 819950.0000 |
| 06/10/2024 | 0.0000 | 0.0000 |
| 07/10/2024 | 99.2500 | 99250.0000 |
| 08/10/2024 | 2088.6100 | 2088610.0000 |
| 09/10/2024 | 1931.9500 | 1931950.0000 |
| 10/10/2024 | 2202.4900 | 2202490.0000 |
| 11/10/2024 | 0.0000 | 0.0000 |
| 12/10/2024 | 0.0000 | 0.0000 |
| 13/10/2024 | 42.5700 | 42570.0000 |
| 14/10/2024 | 0.0000 | 0.0000 |
| 15/10/2024 | 1885.3500 | 1885350.0000 |
| 16/10/2024 | 1042.7700 | 1042770.0000 |
| 17/10/2024 | 1498.5300 | 1498530.0000 |
| 18/10/2024 | 343.1800 | 343180.0000 |
| 19/10/2024 | 2594.4200 | 2594420.0000 |
| 20/10/2024 | 1878.4200 | 1878420.0000 |
| 21/10/2024 | 0.0000 | 0.0000 |
| 22/10/2024 | 973.1200 | 973120.0000 |
| 23/10/2024 | 1060.7900 | 1060790.0000 |
| 24/10/2024 | 449.9600 | 449960.0000 |
| 25/10/2024 | 1295.0200 | 1295020.0000 |
| 26/10/2024 | 2457.5200 | 2457520.0000 |
| 27/10/2024 | 2117.2200 | 2117220.0000 |
| 28/10/2024 | 2759.1700 | 2759170.0000 |
| 29/10/2024 | 936.6700 | 936670.0000 |
| 30/10/2024 | 0.0000 | 0.0000 |
| 31/10/2024 | 1889.8200 | 1889820.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/11/2024 | 79.1600 | 79160.0000 |
| 02/11/2024 | 0.0000 | 0.0000 |
| 03/11/2024 | 0.0000 | 0.0000 |
| 04/11/2024 | 669.7700 | 669770.0000 |
| 05/11/2024 | 1836.8300 | 1836830.0000 |
| 06/11/2024 | 1385.1900 | 1385190.0000 |
| 07/11/2024 | 1638.2900 | 1638290.0000 |
| 08/11/2024 | 1522.9300 | 1522930.0000 |
| 09/11/2024 | 0.0000 | 0.0000 |
| 10/11/2024 | 439.2600 | 439260.0000 |
| 11/11/2024 | 2978.7000 | 2978700.0000 |
| 12/11/2024 | 2080.3000 | 2080300.0000 |
| 13/11/2024 | 550.7200 | 550720.0000 |
| 14/11/2024 | 415.0800 | 415080.0000 |
| 15/11/2024 | 889.9300 | 889930.0000 |
| 16/11/2024 | 0.0000 | 0.0000 |
| 17/11/2024 | 1747.0500 | 1747050.0000 |
| 18/11/2024 | 744.0800 | 744080.0000 |
| 19/11/2024 | 1762.0300 | 1762030.0000 |
| 20/11/2024 | 1269.8200 | 1269820.0000 |
| 21/11/2024 | 0.0000 | 0.0000 |
| 22/11/2024 | 576.4600 | 576460.0000 |
| 23/11/2024 | 0.0000 | 0.0000 |
| 24/11/2024 | 212.5200 | 212520.0000 |
| 25/11/2024 | 1899.4000 | 1899400.0000 |
| 26/11/2024 | 2335.5000 | 2335500.0000 |
| 27/11/2024 | 2631.1700 | 2631170.0000 |
| 28/11/2024 | 2645.8800 | 2645880.0000 |
| 29/11/2024 | 458.6500 | 458650.0000 |
| 30/11/2024 | 0.0000 | 0.0000 |

| Date Measured | Value ($m^3/d$) | Value (Litres) |
|---|---|---|
| 01/12/2024 | 187.1100 | 187110.0000 |
| 02/12/2024 | 0.0000 | 0.0000 |
| 03/12/2024 | 1600.5000 | 1600500.0000 |
| 04/12/2024 | 1636.4800 | 1636480.0000 |
| 05/12/2024 | 489.5200 | 489520.0000 |
| 06/12/2024 | 1244.9300 | 1244930.0000 |
| 07/12/2024 | 2494.9200 | 2494920.0000 |
| 08/12/2024 | 0.0000 | 0.0000 |
| 09/12/2024 | 1447.3900 | 1447390.0000 |
| 10/12/2024 | 866.6400 | 866640.0000 |
| 11/12/2024 | 694.6900 | 694690.0000 |
| 12/12/2024 | 1760.7300 | 1760730.0000 |
| 13/12/2024 | 2050.7900 | 2050790.0000 |
| 14/12/2024 | 2556.2300 | 2556230.0000 |
| 15/12/2024 | 665.5800 | 665580.0000 |
| 16/12/2024 | 2342.7400 | 2342740.0000 |
| 17/12/2024 | 1208.1200 | 1208120.0000 |
| 18/12/2024 | 380.1600 | 380160.0000 |
| 19/12/2024 | 0.0000 | 0.0000 |
| 20/12/2024 | 683.9900 | 683990.0000 |
| 21/12/2024 | 0.0000 | 0.0000 |
| 22/12/2024 | 0.0000 | 0.0000 |
| 23/12/2024 | 2180.7300 | 2180730.0000 |
| 24/12/2024 | 1013.4600 | 1013460.0000 |
| 25/12/2024 | 0.0000 | 0.0000 |
| 26/12/2024 | 1703.8400 | 1703840.0000 |
| 27/12/2024 | 512.8900 | 512890.0000 |
| 28/12/2024 | 185.0500 | 185050.0000 |
| 29/12/2024 | 0.0000 | 0.0000 |
| 30/12/2024 | 705.9000 | 705900.0000 |
| 31/12/2024 | 1752.2000 | 1752200.0000 |