



Water and Waste
Eaux et déchets

ENVIRONMENTAL STANDARDS DIVISION

2025 ANNUAL WATER REPORT

CITY OF WINNIPEG WATER SUPPLY SYSTEM



OPERATING LICENCE #PWS-09-412-03

2025



INTRODUCTION

The Mission of the City of Winnipeg’s Water and Waste Department is to serve the community by providing and continually improving drinking water, wastewater, land drainage, and solid waste services to the citizens of Winnipeg.

The City of Winnipeg ensures that our drinking water is safe by using watershed protection measures, design and construction standards, a multi-step water treatment process, operator certification programs, standardized operating procedures, and a comprehensive source-to-tap monitoring program.

The Province of Manitoba and the Winnipeg Regional Health Authority regulate the quality of our drinking water using the *Manitoba Drinking Water Safety Act* and the *Guidelines for Canadian Drinking Water Quality*. The City of Winnipeg’s Public Water System Operating Licence, PWS-09-412-03, requires that we regularly monitor the quality of our drinking water and submit an annual report to the regulating authority on or before the 31st of March of each year as set out in subsection 32(2) of *MR 40/2007, Drinking Water Safety Regulation*.

In keeping with this requirement, the City of Winnipeg has compiled this report, which summarizes the results of the City’s 2025 Water Quality Monitoring Program.



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1.0 DRINKING WATER SOURCE, TREATMENT, AND DISTRIBUTION

The City of Winnipeg gets its water from Shoal Lake, which is on the border between Manitoba and Ontario, and covers 277 square kilometers. The intake of the water system is only accessible by rail or boat. Water flows by gravity from the intake through a 135-kilometer-long aqueduct into four large reservoirs located adjacent to the Winnipeg Drinking Water Treatment Plant (WTP). The reservoirs can hold enough water to supply Winnipeg for approximately one month, depending on demand. The raw water is pumped from the reservoirs into the WTP, where it undergoes multiple treatment steps to produce high quality drinking water:

- Coagulation and flocculation: sulphuric acid and ferric sulphate are added to lower the pH of the water and cause particles of organic material to clump together.
- Dissolved Air Floatation (DAF): tiny bubbles of air are used to remove the clumped organic material from the water.
- Ozonation: gaseous ozone is added to kill bacteria, remove tastes and odors, and improve filter performance. Sodium bisulphite is added at the end of the ozonation process to remove excess ozone.
- Filtration: the water flows through biologically activated carbon filters to remove any remaining small particles, including parasites.
- Chlorination: chlorine, the most widely used drinking water disinfectant in North America, is added to kill viruses and bacteria, then sodium hydroxide is added to raise the pH back to the original level.
- Ultraviolet (UV) Light: the water is disinfected by exposure to UV light.
- Orthophosphate is added to form a protective coating inside water pipes, which helps to reduce corrosion. Fluoride is added to prevent dental decay, as part of the Provincial Water Fluoridation Program, overseen by the Province of Manitoba's Department of Health, Seniors and Long-Term Care.

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In 2025, the WTP produced an average of 198 megalitres (ML) of high-quality drinking water per day. The water is pumped from the WTP to three smaller reservoirs and regional pumping stations in different areas of the City. The Wilkes Reservoir holds 252 ML and feeds water to the Hurst Regional Pumping Station; the McPhillips Reservoir holds 240 ML and feeds water to the McPhillips Regional Pumping Station; the Maclean Reservoir holds 222 ML and feeds water to the Maclean Regional Pumping Station. At the regional pumping stations, chlorine is added again before entering the distribution system, which is comprised of approximately 2,766 km of water mains, 152 km of feeder mains, 31,027 valves, and 24,008 fire hydrants.

2.0 DRINKING WATER QUALITY STANDARDS AND MONITORING

The bacteriological, chemical, physical, and microbial drinking water quality standards that apply to the City of Winnipeg's Public Water System are listed in Operating Licence PWS-09-412-03¹ (Operating Licence). The Operating Licence is issued by the Province of Manitoba's Department of Environment and Climate Change, under the authority of the *Manitoba Drinking Water Safety Act*² and its associated Regulations: *MR 40/2007, Drinking Water Safety Regulation*³ and *MR 41/2007, Drinking Water Quality Standards Regulation*⁴.

The required frequency and locations for water quality monitoring are specified in our Operating Licence. We are required to test the raw water, treated water leaving the WTP, water leaving the three regional pumping stations, and at a minimum of 39 sites within the distribution system every week. To ensure the quality of our water, we exceed the minimum requirements by sampling at 57 locations within the distribution system and testing additional parameters beyond the requirements of our Operating Licence.

The parameters tested are listed in Table 1 and summaries of the 2025 Water Quality results are provided in Appendix A.

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Table 1. Drinking Water Parameters

Parameter	Shoal Lake	WTP Raw Water	WTP Treated Water	Distribution System
Alkalinity	✓	✓✓	✓	✓✓
Bacteria	✓	✓✓	✓✓	✓✓
Bromate				✓✓
Bromide		✓✓		✓✓
Chloride	✓	✓✓	✓	✓✓
Chlorine		✓	✓✓	✓✓
Chlorophyll-a	✓	✓	✓	
Colour	✓	✓	✓	✓
Conductivity	✓	✓✓	✓	✓✓
Disinfection By-Products	✓	✓	✓	✓✓
Dissolved Oxygen		✓	✓	✓
Enteric Protozoa	✓	✓		
Fluoride	✓	✓✓		✓✓
Hardness	✓	✓✓	✓	✓✓
Langelier Index		✓✓		✓✓
Microcystin LR		✓✓	✓✓	
Nitrogen	✓	✓✓		✓✓
Odour	✓	✓	✓	✓
Organic Carbon	✓	✓✓	✓	✓✓
ORP		✓	✓	✓
Perchlorate	✓	✓	✓	
Pesticides	✓	✓	✓	
PFAS		✓		✓
Phenoxy Acid Herbicides	✓	✓	✓	
pH	✓	✓✓	✓	✓✓
Phosphorous	✓	✓✓		✓✓
Plankton (algae) count	✓	✓	✓	
Polychlorinated Biphenyls	✓	✓	✓	
Solids	✓	✓✓	✓	✓✓
Sulphate	✓	✓✓	✓	✓✓
Taste and Odour Compounds		✓	✓	
Temperature	✓	✓	✓	✓
Total Metals	✓	✓✓	✓	✓✓
Turbidity	✓	✓✓	✓✓	✓✓
UV - Absorbance		✓✓	✓✓	✓✓
UV - Transmittance		✓✓	✓✓	✓✓

✓ Additional sampling beyond requirements of PWS-09-412-03

✓✓ Required as per PWS-09-412-03

3.0 COMPLIANCE AND CORRECTIVE ACTIONS SUMMARY

The City of Winnipeg operates a comprehensive Water Quality Monitoring program that exceeds the requirements of our Operating Licence. We monitor the quality of our water from source to tap and respond to customer inquiries and complaints about water quality. We submit various analytical results to our regulators: turbidity, chlorine, and UV results from the WTP; fluoride, haloacetic acid (HAA), and trihalomethane (THM) results from the distribution system; and algae monitoring results. Weekly bacteriological results are sent directly to the Province of Manitoba’s Office of Drinking Water (ODW) by the laboratory that performs the analysis.

If test results do not meet a drinking water quality standard, or we fail to meet a licence requirement, we notify ODW and take corrective action to ensure our water remains safe. We inform Winnipeg residents immediately if there is ever a water quality issue that could affect public health.

The City of Winnipeg monitors the water supply for algae blooms that may indicate the presence of cyanobacteria (also known as blue-green algae), which can release toxins known as microcystins, under certain conditions. We perform weekly visual inspections for algae at the Shoal Lake Intake and the WTP Reservoirs during open water season, and we test raw and finished water monthly for microcystins. If an algae bloom is observed we notify ODW, perform a microscopic examination to determine if cyanobacteria are present, test for microcystins, and increase our monitoring and testing frequency. In June 2025, algae blooms were observed in two of the WTP reservoirs, however, microcystins were not detected in 100% of the twelve raw water and twelve finished water samples collected in 2025.

The presence of bacteria in a treated water sample could indicate potential treatment failure or contamination after treatment. If bacteria are detected in a treated water sample from the WTP or the distribution system we take immediate corrective actions to maintain water quality, notify the ODW, and submit a Corrective Action Report (CAR). In 2025, total coliform and *E. coli* bacteria were not detected in any of the 204 samples from the WTP and not detected in 99.85% of the 6,280 samples from the distribution system.

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We add chlorine to disinfect the water as it leaves the WTP, as well as where it enters the distribution system from the three regional pumping stations, using continuous online analyzers to manage chlorine dosing levels. Grab samples are used to confirm the accuracy of the analyzers and to confirm that appropriate levels of chlorine are maintained throughout the distribution system. We are required to maintain a free chlorine residual of 0.5 milligrams per litre (mg/L) in the water as it leaves the WTP and 0.1 mg/L at all points within the distribution system. If the free chlorine residual drops below these levels we take immediate corrective actions to maintain water quality, notify the ODW, and submit a CAR. In 2025, 100.00% of the 488 grab samples collected by lab staff at the WTP and 99.97% of the 3,258 grab samples from the distribution system met the free chlorine requirements.

Turbidity is a measurement of the cloudiness of water caused by small particles, which can reduce the effectiveness of disinfection. Our Operating Licence requires the turbidity of the water leaving the filters at the WTP to never exceed 1.0 Nephelometric Turbidity Units (NTU) and to not exceed 0.3 NTU for more than 12 consecutive hours and/or more than 5% of readings per month on any operating filter. We continuously monitor the turbidity of the water leaving each filter using online analyzers and confirm the accuracy of the analyzers using grab samples. If the turbidity exceeds Operating Licence limits, we take immediate corrective actions to maintain water quality, notify the ODW, and submit a CAR. In 2025, 99.49% of the 1,963 filter effluent samples collected by lab staff for turbidity were below 0.3 NTU. There is no maximum allowable turbidity in the distribution system, however, we take corrective actions if turbidity greater than 1.0 NTU is measured. In 2025, turbidity measured less than 1.0 NTU in 99.57% of the 3,256 samples from the distribution system.

No boil water advisories were issued by ODW/WRHA, no drinking water safety orders were issued, and no charges were laid, pending, or disposed of for any offences against the City of Winnipeg in 2025.

A summary of the CARs submitted in 2025 is provided in Table 2; Compliance and Correction Action Reports are provided in Appendix B.

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Table 2. Corrective Action Reports Summary

Report Number	Incident Date(s)	Incident Location	Parameter	Result	Description of Corrective Actions Taken and Comments
CAR-01	20-Jan-25	WTP	Turbidity	1.08 NTU	Incident occurred briefly during filter operation. Filter was taken offline for maintenance. Neither water quality nor safety was impacted.
CAR-02	21-Jan-25	NE03	Total Coliform	9 MPNU per 100mL	Re-sampled original location and monitored until two consecutive samples taken 24 hours apart tested negative for bacteria.
CAR-03	24-Feb-25	SW12	Total Coliform	1 MPNU per 100mL	Re-sampled original location and monitored until two consecutive samples taken 24 hours apart tested negative for bacteria.
CAR-04	5-Mar-25	WTP	Turbidity	1.72 NTU	Incident occurred during startup after a planned plant shutdown due to an issue with the filter's flow control valve. Filter was taken offline and returned to service upon plant startup. Neither water quality nor safety was impacted.
CAR-05	19-Mar-25	WTP	Turbidity	5.00 NTU	Incident occurred during a planned plant network outage that caused an issue with the filter's flow control valve. Filter was taken offline. Neither water quality nor safety was impacted.
CAR-06	28-Apr-25	WTP	Turbidity	2.51 NTU	Incident occurred due to an error while performing calibration of the filter's turbidity instrument. The error caused a false turbidity reading on the filter and was not reflective of actual filter turbidity. Filter was taken offline and returned to service upon completion of filter turbidity instrument calibration. Neither water quality nor safety was impacted.
CAR-07	29-Apr-25	SE08	Total Coliform	3 MPNU per 100mL	Re-sampled original location and monitored until two consecutive samples taken 24 hours apart tested negative for bacteria.
CAR-08	30-Apr-25	SE06	Total Coliform	1 MPNU per 100mL	Re-sampled original location and monitored until two consecutive samples taken 24 hours apart tested negative for bacteria.
CAR-09	16-May-25	Hydrant	Total Coliform	3 MPNU per 100mL	Flushed and re-sampled original location. Monitored until two consecutive samples taken 24 hours apart tested negative for bacteria.

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Table 2. Corrective Action Reports Summary

Report Number	Incident Date(s)	Incident Location	Parameter	Result	Description of Corrective Actions Taken and Comments
CAR-10	29-May-25	Hydrant	Total Coliform	1 MPNU per 100mL	Flushed and re-sampled original location. Monitored until two consecutive samples taken 24 hours apart tested negative for bacteria.
CAR-11	14-Jun-25	WTP	Turbidity	4.62 NTU	Turbidity spike was due to material sloughing off sample line and was not a true indication of process turbidity. Neither water quality nor safety was impacted.
CAR-12	3-Jul-25	WTP	Turbidity	1.58 NTU	Turbidity spike was due to material sloughing off sample line and was not a true indication of process turbidity. Neither water quality nor safety was impacted.
CAR-13	5-Jul-25	WTP	Turbidity	1.90 NTU	Turbidity spike was due to material sloughing off sample line and was not a true indication of process turbidity. Neither water quality nor safety was impacted.
CAR-14	9-Jul-25	WTP	Turbidity	1.17 NTU	Turbidity spike was due to material sloughing off sample line and was not a true indication of process turbidity. Neither water quality nor safety was impacted.
CAR-15	22-Jul-25	WTP	Turbidity	2.17 NTU	Incident occurred during chemical cleaning of the filter turbidity instrument. The cleaning process caused a false turbidity reading and was not reflective of actual filter turbidity. Neither water quality nor safety was impacted.
CAR-16	3-Aug-25	WTP	Free Chlorine	0.45 mg/L	Incident occurred after an unplanned power shutdown. This event is indicative of an instrumentation error on Branch 1 caused by flow changes in the analyzer sample line and is not reflective of the free chlorine residual in the bulk treated water. Neither water quality nor safety was impacted.
CAR-17	13-Oct-25	WTP	Turbidity	2.13 NTU	Turbidity spike was due to material sloughing off sample line and was not a true indication of process turbidity. Neither water quality nor safety was impacted.
CAR-18	7-Nov-25	Branch1 Aqueduct at McPhillips	Total Coliform	1 MPNU per 100mL	Re-sampled original and downstream locations. Monitored until two consecutive samples taken 24 hours apart tested negative for bacteria.

4.0 LICENCES AND PERMITS

The City of Winnipeg operates its public water system according to the requirements listed in PWS-09-412-03, which came into effect on December 1, 2025, and expires on November 30, 2030; PWS-09-412-02 AA was in effect until November 30, 2025.

Approximately 17 km of water mains were added to the distribution system in 2025. The extensions conform to the City of Winnipeg’s engineering standards and construction specifications, as such, the works were approved by ODW as a minor alteration and a Permit to Construct or Alter a Public Water System was not required.

Permit PWS-23-P18 was issued for upgrades to the UV treatment system at the Deacon Booster Pumping Station and work for the Branch 1 Aqueduct Underdrain Outfall Repairs Project was done under the following permits:

- Heritage Resource Impact Assessment Permit #A15-24
- Waterway Permit – Rue Plinguet at Seine River Access Ramp #WA-013-2025
- Waterway Permit – Rue Maisonneuve at Seine River Access Ramp #WA-014-2025
- Waterway Permit – Rue Tache at Rue Messenger #WA-084-2024
- Waterway Permit - Rue Notre Dame, west of Rue Maisonneuve #WA-085-2024
- Waterway Permit - Rue Plinguet at Seine River UD Outfalls Work #WA-086-2024
- CPKC Permit for Right of Access Agreement #ACEME00034A
- DFO Permit - Request for Review #24-HCAA-01158
- Manitoba Hydro Letter Abandonment of Steel Gas Main - File # 2024-01512

5.0 MAJOR EXPENSES

In 2025, the City’s major expenses relating to drinking water included:

- Upgrades to the SCADA system at McPhillips Pumping Station
- Rehabilitation of Branch 1 Aqueduct underdrain outfalls
- Rehabilitation of Shoal Lake Aqueduct manholes
- Renewal of approximately 9.9 km of water mains at 28 locations within the distribution system

6.0 ZEBRA MUSSELS

Zebra mussels are an invasive mollusk which can negatively impact ecosystems as they compete with fish for food. Zebra mussels can also settle inside water intake pipes and restrict water flow.

The City of Winnipeg monitors Shoal Lake and the WTP raw water reservoirs for both adult zebra mussels and zebra mussel larva (veligers) during open water season. In 2025, no adult or veliger zebra mussels were observed in any of the samples. The 2025 Zebra Mussel (*Dreissena Polymorpha*) Monitoring Report is provided in Appendix C.

7.0 BACKFLOW PREVENTION AND CROSS CONNECTION CONTROL

As required under our Operating Licence, the City of Winnipeg operates a Backflow Prevention and Cross-Connection Control Program, which is enforced under the City of Winnipeg's Water By-law 2015/107. The program requires all moderate and severe hazard premises to install and maintain a premise isolation backflow prevention device on the incoming water line, to prevent the backwards flow of water from the building into the distribution system. Existing and newly installed devices are inspected by program staff to ensure they have been installed according to the Plumbing Code and that the device offers the required level of protection, which is dependent upon the type of activities that occur within the building.

In 2025, program staff notified 231 building owners of the requirement to install premise isolation devices, conducted approximately 950 inspections, and tracked the testing and maintenance of approximately 20,200 backflow prevention devices.

8.0 CORROSION CONTROL AND RESIDENTIAL LEAD MONITORING PROGRAMS

Although lead is not present in the water produced by the WTP, it can enter the water as it passes through a lead service line (the pipe that connects a building to the water main) and/or plumbing systems and fixtures that contain lead. Buildings constructed before 1950 may have a lead service line and those constructed before 1990 may have lead solder or brass plumbing fixtures. There are approximately 7,816 properties with lead service lines on the City side within the City of Winnipeg. We do not have an accurate count of the number of private side lead services. The ODW regulates the City of Winnipeg's Corrosion Control Program and Residential Lead Monitoring Program under our Operating Licence.

As part of our Corrosion Control Program, we add orthophosphate to the water as it leaves the WTP. Orthophosphate forms a coating inside water pipes which helps reduce corrosion that can allow lead to enter water as it travels through the pipes. We also replace the City's portion of lead-service lines (from the water main to the shut-off valve at the property line) when replacing water mains or if a repair is required to a lead service line. We notify building owners when this work is being done so they have the option to benefit from cost-savings achieved by replacing their portion of the service line (from the shut-off valve at the property line to the building) at the same time.

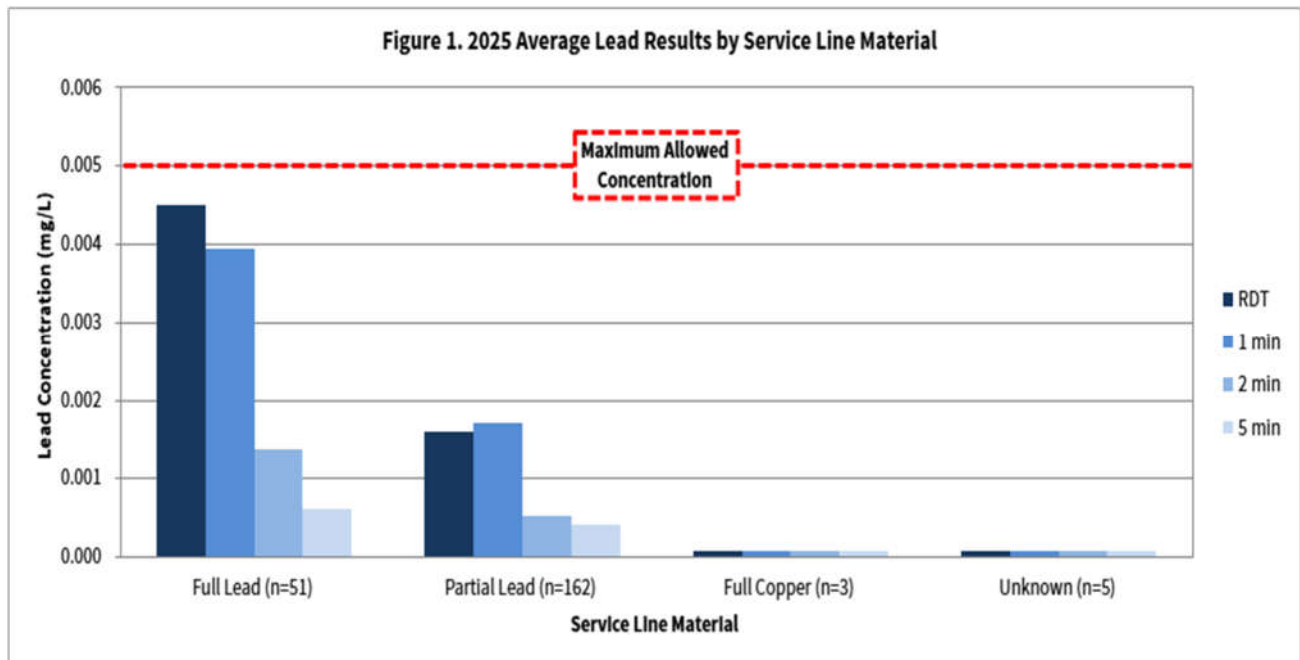
For the 2025 Residential Lead Monitoring Program we analyzed 221 sample sets collected from buildings with full or partial lead service lines and/or older buildings that may contain lead in their plumbing systems. Sample sets consist of a Random Daytime Sample (RDT), and samples collected after 1, 2, and 5 minutes of flushing. The RDT sample is the best estimate of typical lead exposure within the building, while the sample collected after 1 minute of flushing is the water that was in the service line when the RDT sample was collected (depending on the distance of the sample tap from the service line). The samples collected after 2 and 5 minutes of flushing show the effect of flushing on lead levels at the tap.

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Although 6.79% of the RDT and 9.95% of the 1-minute flushed samples were over the guideline of 0.005 mg/L, lead levels decreased significantly with increased flushing. Overall, the results obtained from the 2025 Residential Lead Monitoring Program were similar to those obtained in previous years. A summary of the results from the 2025 Residential Lead Monitoring Program is provided in Table 3; results are provided in Appendix D.

	Average (mg/L)	Minimum (mg/L)	Maximum (mg/L)	% of samples above guideline (0.005 mg/L)
Random Daytime	0.002204	<0.000065	0.132540	6.79%
1 minute	0.002153	<0.000065	0.085070	9.95%
2 minutes	0.000692	<0.000065	0.013463	0.90%
5 minutes	0.000438	<0.000065	0.003217	0.00%

As shown in Figure 1, the average lead concentration in buildings with full lead service lines was higher than those with partial lead service lines. The average lead concentration was highest in the RDT and 1-minute flushed samples but decreased significantly in the 2-minute and 5-minute flushed samples.



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Customers are encouraged to remove lead from their plumbing systems whenever feasible. If this is not feasible, customers should flush the water until it is cold to the touch before drinking, preparing food, or making beverages; or use a point-of-use or pitcher-style filter that is certified for lead removal. If filters are used to remove lead it is important that they are maintained and replaced as per manufacturer's instructions. Poor maintenance may increase the levels of lead in the water.

More information on lead in drinking water is available at:

<https://winnipeg.ca/waterandwaste/water/lead.stm>

9.0 WATER MAIN CLEANING PROGRAM

In 2025, the City resumed the water main cleaning program (WMCP). The WMCP uses a process called unidirectional flushing (UDF) to flush sediments and mineral deposits from water mains through fire hydrants. Water main cleaning is an industry best practice for cleaning water mains to ensure high quality drinking water for residents, reduce occurrence of discoloured water, and support compliance with drinking water regulations and the City's Operating Licence.

In the 2025 WMCP, approximately 182 km of water mains covering 6.4% of the area of The City of Winnipeg were cleaned between May 15, 2025, and July 29, 2025. Completion of the program required the operation of 1,111 valves and 407 hydrants. Except for two samples that were positive for total coliforms, the post-flush samples met the Guidelines for Canadian Drinking Water Quality and were comparable to the average water quality throughout the distribution system.

10.0 REFERENCES

1. City of Winnipeg Operating Licence PWS-09-412-03.
<https://legacy.winnipeg.ca/waterandwaste/pdfs/water/PublicWaterSystemOperatingLicence2025.pdf>
2. Manitoba Drinking Water Safety Act C.C.S.M. c. D101 (2002). Manitoba Water Stewardship.
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3. Manitoba Drinking Water Safety Regulation 40/2007. Manitoba Water Stewardship.
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4. Manitoba Drinking Water Quality Standards Regulation 41/2007. Manitoba Water Stewardship.
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APPENDIX A
WATER QUALITY SUMMARY REPORTS

City of Winnipeg
Environmental Standards Division
2025 Shoal Lake Water Quality Summary

PARAMETER	UNITS	NO. OF RESULTS	AVERAGE	MINIMUM	MAXIMUM
Miscellaneous					
Carbon, Dissolved Organic	<i>parts per million</i>	52	9.2	7.8	11.1
Carbon, Total Organic	<i>parts per million</i>	52	8.7	7.4	10.3
Chlorophyll-a	<i>parts per billion</i>	12	4.5	1.5	8.4
Colour, Apparent	<i>TCU</i>	12	9.4	7.5	17.0
Colour, True	<i>TCU</i>	12	5.3	4.0	7.0
Conductivity	<i>microsiemens per centimetre</i>	4	158	145	181
Odour	<i>units</i>	52	69	50	100
pH	<i>units</i>	52	8.05	7.42	8.96
Plankton (algae) count	<i>cells/mL</i>	12	8,968	343	22,350
Solids, Total	<i>parts per million</i>	12	103	94	125
Solids, Total Dissolved	<i>parts per million</i>	12	86	60	105
Solids, Total Suspended	<i>parts per million</i>	12	17	6	35
Temperature	<i>degrees Celcius</i>	17	11.3	2.7	22.7
Turbidity (clearness)	<i>NTU</i>	65	0.86	0.32	1.92
Anions and Nutrients					
Alkalinity, Total	<i>parts per million as calcium carbonate</i>	12	75.5	68.4	85.9
Hardness, Total	<i>parts per million as calcium carbonate</i>	12	78.3	72.6	88.8
Chloride	<i>parts per million</i>	4	1.9	1.8	2.0
Fluoride	<i>parts per million</i>	4	0.09	0.08	0.10
Nitrate Nitrogen	<i>parts per million</i>	12	0.024	0.006	0.067
Perchlorate	<i>parts per billion</i>	3	<0.20	<0.20	<0.20
Phosphorus, Total Reactive	<i>parts per million</i>	12	<0.0010	<0.0010	<0.0010
Phosphorus, Total	<i>parts per million</i>	12	0.0139	0.0042	0.0242
Sulphate	<i>parts per million</i>	4	<0.4	<0.4	0.8
Total Kjeldahl Nitrogen (TKN)	<i>parts per million</i>	11	0.53	0.29	0.68
Bacteria					
Escherichia Coli	<i>MPN per 100 mL</i>	13	1	<1	3
Total Coliforms	<i>MPN per 100 mL</i>	13	92	<1	>200
Disinfection By-Products					
Bromodichloromethane	<i>parts per billion</i>	12	<0.4	<0.4	<0.4
Haloacetic acids	<i>parts per billion</i>	12	<1.2	<1.2	<1.2
Trihalomethanes	<i>parts per billion</i>	12	<2.7	<2.7	<2.7
Enteric Protozoa					
Cryptosporidium	<i>oocysts per 100 L</i>	13	<0.1	<0.1	<0.1
Giardia	<i>cysts per 100 L</i>	13	<0.1	<0.1	<0.1
Metals, Total					
Aluminum	<i>parts per million</i>	13	0.00271	0.00040	0.01277
Antimony	<i>parts per million</i>	13	0.000066	0.000053	0.000116
Arsenic	<i>parts per million</i>	13	0.000760	0.000557	0.001001
Boron	<i>parts per million</i>	13	0.00989	0.00827	0.01055
Cadmium	<i>parts per million</i>	13	<0.000007	<0.000007	0.000008
Calcium	<i>parts per million</i>	13	20.766	18.061	24.092

City of Winnipeg
Environmental Standards Division
2025 Shoal Lake Water Quality Summary

PARAMETER	UNITS	NO. OF RESULTS	AVERAGE	MINIMUM	MAXIMUM
Chromium	<i>parts per million</i>	12	<0.00004	<0.00004	0.00017
Chromium VI	<i>parts per million</i>	3	<0.00050	<0.00050	0.00065
Copper	<i>parts per million</i>	13	0.003006	0.000164	0.008792
Iron	<i>parts per million</i>	13	0.02910	0.00378	0.05740
Lead	<i>parts per million</i>	13	0.000211	<0.000065	0.001098
Magnesium	<i>parts per million</i>	13	6.443	5.588	7.501
Manganese	<i>parts per million</i>	13	0.00661	0.00066	0.01434
Mercury	<i>parts per million</i>	3	<0.0000050	<0.0000050	<0.0000050
Nickel	<i>parts per million</i>	13	0.000174	0.000136	0.000224
Potassium	<i>parts per million</i>	13	1.290	1.073	1.487
Sodium	<i>parts per million</i>	13	2.445	2.125	2.761
Uranium	<i>parts per million</i>	13	0.000019	<0.000032	0.000040
Zinc	<i>parts per million</i>	13	0.00223	0.00029	0.01200
Phenoxy Acid Herbicides					
2,4,5-T	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
2,4,5-TP	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
2,4-D	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
2,4-DB	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
2,4-DP	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
Asulam	<i>parts per billion</i>	6	<0.010	<0.010	<0.010
Brodifacoum	<i>parts per billion</i>	6	<0.010	<0.010	<0.010
Bromacil	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
Bromoxynil	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
Clopyralid	<i>parts per billion</i>	6	<0.10	<0.10	<0.50
Dicamba	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
Diflufenican	<i>parts per billion</i>	6	<0.010	<0.010	<0.010
Dinoseb	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
Linuron	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
MCPA	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
MCPB	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
Mecoprop	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
Nicarbazin	<i>parts per billion</i>	6	<0.010	<0.010	<0.010
Oryzalin	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
Picloram	<i>parts per billion</i>	6	<1.0	<0.10	<1.0
Terbacil	<i>parts per billion</i>	6	<0.010	<0.010	<0.010
Polychlorinated Biphenyls					
Arochlor 1016	<i>parts per billion</i>	6	<0.20	<0.020	<0.20
Arochlor 1221	<i>parts per billion</i>	6	<0.20	<0.020	<0.20
Arochlor 1232	<i>parts per billion</i>	6	<0.20	<0.020	<0.20
Arochlor 1242	<i>parts per billion</i>	6	<0.20	<0.020	<0.20
Arochlor 1248	<i>parts per billion</i>	6	<0.20	<0.020	<0.20
Arochlor 1254	<i>parts per billion</i>	6	<0.20	<0.020	<0.20
Arochlor 1260	<i>parts per billion</i>	6	<0.20	<0.020	<0.20
Arochlor 1262	<i>parts per billion</i>	6	<0.20	<0.020	<0.20
Arochlor 1268	<i>parts per billion</i>	6	<0.20	<0.020	<0.20

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PARAMETER	UNITS	NO. OF RESULTS	AVERAGE	MINIMUM	MAXIMUM
Pesticides					
Alachlor	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
Aldicarb	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
Aldrin	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
alpha-Chlordane	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
alpha-Endosulfan	<i>parts per billion</i>	6	<0.0070	<0.0070	<0.0070
alpha-HCH	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
Atrazine	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
Azinphos-methyl	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
Bendiocarb	<i>parts per billion</i>	6	<0.0250	<0.0250	<0.0250
beta-Endosulfan	<i>parts per billion</i>	6	<0.0070	<0.0070	<0.0070
beta-HCH	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
Carbaryl	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
Carbofuran	<i>parts per billion</i>	6	<0.0250	<0.0250	<0.0250
Chlordane	<i>parts per billion</i>	6	<0.0110	<0.0110	<0.0110
Chlorothalonil	<i>parts per billion</i>	6	<2.50	<0.050	<2.50
Chlorpyrifos	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
Cyanazine	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
delta-HCH	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
Diazinon	<i>parts per billion</i>	6	<0.0250	<0.0250	<0.0250
Diclofop-methyl	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
Dieldrin	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
Dimethoate	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
Diuron	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
Endosulfan	<i>parts per billion</i>	6	<0.010	<0.010	<0.010
Endosulfan Sulfate	<i>parts per billion</i>	6	<0.0070	<0.0070	<0.0070
Endrin	<i>parts per billion</i>	6	<0.010	<0.010	<0.010
Endrin Aldehyde	<i>parts per billion</i>	6	<0.010	<0.010	<0.010
Ethalfuralin	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
EPTC (Eptam)	<i>parts per billion</i>	6	<0.50	<0.50	<0.50
gamma-Chlordane	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
gamma-HCH (Lindane)	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
Heptachlor	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
Heptachlor Epoxide	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
Hexachlorobenzene	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
Hexachlorobutadiene	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
Hexachlorocyclohexane, total	<i>parts per billion</i>	6	<0.0160	<0.0160	<0.0160
Hexachloroethane	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
Malathion	<i>parts per billion</i>	6	<0.0250	<0.0250	<0.0250
Methoxychlor	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
Methyl Parathion	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
Metolachlor	<i>parts per billion</i>	6	<0.0250	<0.0250	<0.0250
Metribuzin	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
Metsulfuron-methyl	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
Mirex	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
Omethoate	<i>parts per billion</i>	6	<0.050	<0.050	<0.050

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PARAMETER	UNITS	NO. OF RESULTS	AVERAGE	MINIMUM	MAXIMUM
Oxychlorane	<i>parts per billion</i>	6	<0.0080	<0.0080	<0.0080
o,p-DDD	<i>parts per billion</i>	6	<0.0040	<0.0040	<0.0040
o,p-DDE	<i>parts per billion</i>	6	<0.0040	<0.0040	<0.0040
o,p-DDT	<i>parts per billion</i>	6	<0.0040	<0.0040	<0.0040
p,p-DDD	<i>parts per billion</i>	6	<0.0040	<0.0040	<0.0040
p,p-DDE	<i>parts per billion</i>	6	<0.0040	<0.0040	<0.0040
p,p-DDT	<i>parts per billion</i>	6	<0.0040	<0.0040	<0.0040
Total-DDD	<i>parts per billion</i>	6	<0.0060	<0.0060	<0.0060
Total-DDE	<i>parts per billion</i>	6	<0.0060	<0.0060	<0.0060
Total-DDT	<i>parts per billion</i>	6	<0.0060	<0.0060	<0.0060
Parathion	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
Pentachloronitrobenzene	<i>parts per billion</i>	6	<0.010	<0.010	<0.010
Phorate	<i>parts per billion</i>	6	<0.250	<0.250	<0.250
Propachlor	<i>parts per billion</i>	6	<0.0250	<0.0250	<0.0250
Propanil	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
Propoxur	<i>parts per billion</i>	6	<0.0250	<0.0250	<0.0250
Simazine	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
Terbufos	<i>parts per billion</i>	6	<0.50	<0.50	<0.50
Trans-Nonachlor	<i>parts per billion</i>	6	<0.010	<0.010	<0.010
Triallate	<i>parts per billion</i>	6	<0.10	<0.10	<0.10
Trichlopyr	<i>parts per billion</i>	6	<0.050	<0.050	<0.050
Trifluralin	<i>parts per billion</i>	6	<0.10	<0.10	<0.10

Note: Where value is expressed as less than (<), the value is halved and used in the calculations, where value is expressed as (>), the value is used in the calculations.

Guidelines for Canadian Drinking Water Quality do not apply to Shoal Lake.

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2025 Water Treatment Plant - Raw Water Quality Summary

PARAMETER	UNITS	NO. OF RESULTS	AVERAGE	MINIMUM	MAXIMUM
Miscellaneous					
Carbon, Dissolved Organic	<i>parts per million</i>	56	8.7	7.4	10.1
Carbon, Total Organic	<i>parts per million</i>	56	8.2	6.9	9.9
Chlorine, Free	<i>parts per million</i>	248	0.02	<0.02	0.06
Chlorine, Total	<i>parts per million</i>	248	0.02	<0.02	0.07
Chlorophyll-a	<i>parts per billion</i>	12	5.4	2.8	10.0
Colour, Apparent	<i>TCU</i>	52	10.9	5.0	30.0
Colour, True	<i>TCU</i>	56	5.5	3.0	7.5
Conductivity	<i>microsiemens per centimetre</i>	4	163	154	173
Langelier Index (4 C)	<i>units</i>	4	-0.31	-0.43	-0.24
Langelier Index (60 C)	<i>units</i>	4	0.46	0.34	0.53
Microcystin	<i>parts per billion</i>	12	<0.20	<0.20	<0.20
Odour	<i>units</i>	52	59	35	80
ORP	<i>millivolts</i>	52	2.0	458.6	617.8
Oxygen, Dissolved	<i>parts per million</i>	52	11.2	6.9	17.4
PFAS, Total	<i>parts per million</i>	2	<14.0	<12.0	<14.0
pH	<i>units</i>	4	8.07	7.96	8.19
Plankton (algae) count	<i>cells/mL</i>	12	12,513	258	40,830
Solids, Total	<i>parts per million</i>	52	114	94	191
Solids, Total Dissolved	<i>parts per million</i>	56	93.23	78	165
Temperature	<i>degrees Celcius</i>	265	10.1	0.6	22.9
Turbidity (clearness)	<i>NTU</i>	266	0.90	0.42	5.98
UV Absorbance, Filtered	<i>absorbance units</i>	248	0.113	0.091	0.136
UV Absorbance, Unfiltered	<i>absorbance units</i>	248	0.125	0.101	0.152
UV Transmittance, Filtered	<i>percent transmissivity</i>	248	77.0	73.1	81.1
UV Transmittance, Unfiltered	<i>percent transmissivity</i>	248	75.1	70.5	79.3
Anions and Nutrients					
Alkalinity, Total	<i>parts per million as calcium carbonate</i>	56	77.0	70.2	85.5
Alkalinity, Bicarbonate	<i>parts per million</i>	4	76.1	71.5	82.1
Alkalinity, Carbonate	<i>parts per million</i>	4	<1.0	<1.0	<1.0
Alkalinity, Hydroxide	<i>parts per million</i>	4	<1.0	<1.0	<1.0
Hardness, Total	<i>parts per million as calcium carbonate</i>	56	82.0	75.0	93.3
Ammonia	<i>parts per million</i>	4	0.03	0.02	0.04
Bromide	<i>parts per million</i>	4	<0.050	<0.050	<0.050
Chloride	<i>parts per million</i>	56	1.9	1.7	2.2
Fluoride	<i>parts per million</i>	4	0.063	0.060	0.066
Nitrate Nitrogen	<i>parts per million</i>	4	0.037	0.006	0.103
Nitrite	<i>parts per million</i>	4	0.001	<0.0010	0.0020
Perchlorate	<i>parts per billion</i>	3	<0.20	<0.20	<0.20
Phosphorus, Total	<i>parts per million</i>	4	<0.050	<0.050	<0.050
Sulphate	<i>parts per million</i>	52	<0.4	<0.4	0.6
Bacteria					
Escherichia Coli	<i>MPN per 100 mL</i>	64	35	<1	>200
Total Coliforms	<i>MPN per 100 mL</i>	64	93	1	>200
Heterotrophic Plate Count	<i>CFU per mL</i>	51	168	4	350

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PARAMETER	UNITS	NO. OF RESULTS	AVERAGE	MINIMUM	MAXIMUM
Disinfection By-Products					
Bromodichloromethane	<i>parts per billion</i>	12	<0.4	<0.4	<0.4
Haloacetic acids	<i>parts per billion</i>	12	<1.2	<1.2	1.5
Trihalomethanes	<i>parts per billion</i>	12	<2.7	<2.7	<2.7
Enteric Protozoa					
Cryptosporidium	<i>oocysts per 100 L</i>	13	<0.1	<0.1	<0.1
Giardia	<i>cysts per 100 L</i>	13	<0.1	<0.1	<0.1
Metals, Total					
Aluminum	<i>parts per million</i>	56	0.00190	0.00074	0.00647
Antimony	<i>parts per million</i>	56	0.000064	<0.000025	0.000124
Arsenic	<i>parts per million</i>	56	0.000790	0.000631	0.001180
Barium	<i>parts per million</i>	4	0.0156	0.0134	0.0181
Beryllium	<i>parts per million</i>	4	<0.000020	<0.000020	<0.000020
Bismuth	<i>parts per million</i>	4	<0.000050	<0.000050	<0.000050
Boron	<i>parts per million</i>	56	0.01044	0.00876	0.01500
Cadmium	<i>parts per million</i>	56	<0.000005	<0.000005	0.0000250
Calcium	<i>parts per million</i>	56	21.470	19.085	24.674
Cesium	<i>parts per million</i>	4	<0.000010	<0.000010	<0.000010
Chromium	<i>parts per million</i>	56	0.000432	<0.000040	<0.000050
Chromium VI	<i>parts per million</i>	4	<0.000050	<0.000050	<0.000050
Cobalt	<i>parts per million</i>	4	<0.000010	<0.000010	<0.000010
Copper	<i>parts per million</i>	56	0.001257	0.000175	0.006872
Iron	<i>parts per million</i>	56	0.07443	0.02050	0.29207
Lead	<i>parts per million</i>	56	<0.000050	<0.000050	<0.000065
Lithium	<i>parts per million</i>	4	0.0021	0.0010	0.0029
Magnesium	<i>parts per million</i>	56	6.565	5.614	7.752
Manganese	<i>parts per million</i>	56	0.01228	0.00296	0.06140
Mercury	<i>parts per million</i>	4	<0.0000050	<0.0000050	<0.0000050
Molybdenum	<i>parts per million</i>	4	0.000174	0.000159	0.000202
Nickel	<i>parts per million</i>	56	0.000275	0.000186	0.000608
Potassium	<i>parts per million</i>	56	1.282	1.071	1.519
Rubidium	<i>parts per million</i>	4	0.0017	0.0016	0.0018
Selenium	<i>parts per million</i>	4	0.000137	<0.000050	0.000411
Silicon	<i>parts per million</i>	4	1.47	0.96	1.93
Silver	<i>parts per million</i>	4	<0.000010	<0.000010	<0.000010
Sodium	<i>parts per million</i>	56	2.542	2.256	2.996
Strontium	<i>parts per million</i>	4	0.0392	0.0360	0.0418
Sulfur	<i>parts per million</i>	2	2.01	1.67	2.35
Tellurium	<i>parts per million</i>	4	<0.00020	<0.00020	<0.00020
Thallium	<i>parts per million</i>	4	<0.000010	<0.000010	<0.000010
Thorium	<i>parts per million</i>	4	<0.00010	<0.00010	<0.00010
Tin	<i>parts per million</i>	4	<0.00010	<0.00010	<0.00010
Titanium	<i>parts per million</i>	4	<0.00030	<0.00030	0.00062
Tungsten	<i>parts per million</i>	4	<0.00010	<0.00010	<0.00010
Uranium	<i>parts per million</i>	56	0.000034	<0.000032	0.000141
Vanadium	<i>parts per million</i>	4	<0.00050	<0.00050	<0.00050
Zinc	<i>parts per million</i>	56	0.00045	0.00013	0.00150
Zirconium	<i>parts per million</i>	4	<0.00020	<0.00020	<0.00020

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PARAMETER	UNITS	NO. OF RESULTS	AVERAGE	MINIMUM	MAXIMUM
Phenoxy Acid Herbicides					
2,4,5-T	<i>parts per billion</i>	7	<0.50	<0.050	<0.50
2,4,5-TP	<i>parts per billion</i>	7	<0.50	<0.050	<0.50
2,4-D	<i>parts per billion</i>	7	<0.50	<0.050	<0.50
2,4-DB	<i>parts per billion</i>	7	<0.50	<0.050	<0.50
2,4-DP	<i>parts per billion</i>	7	<0.50	<0.050	<0.50
Asulam	<i>parts per billion</i>	7	<0.10	<0.010	<0.10
Brodifacoum	<i>parts per billion</i>	7	<0.10	<0.010	<0.10
Bromacil	<i>parts per billion</i>	7	<1.0	<0.10	<1.0
Bromoxynil	<i>parts per billion</i>	7	<0.50	<0.050	<0.50
Clopyralid	<i>parts per billion</i>	7	<1.0	<0.10	<1.0
Dicamba	<i>parts per billion</i>	7	<1.0	<0.10	<1.0
Diflufenican	<i>parts per billion</i>	7	<0.10	<0.010	<0.10
Dinoseb	<i>parts per billion</i>	7	<0.50	<0.050	<0.50
Linuron	<i>parts per billion</i>	7	<1.0	<0.10	<1.0
MCPA	<i>parts per billion</i>	7	<0.50	<0.050	<0.50
MCPB	<i>parts per billion</i>	7	<0.50	<0.050	<0.50
Mecoprop	<i>parts per billion</i>	7	<0.50	<0.050	<0.50
Nicarbazin	<i>parts per billion</i>	7	<0.10	<0.010	<0.10
Oryzalin	<i>parts per billion</i>	7	<0.50	<0.050	<0.50
Picloram	<i>parts per billion</i>	7	<1.0	<0.1	<1.0
Propanil	<i>parts per billion</i>	7	<0.10	<0.010	<0.10
Terbacil	<i>parts per billion</i>	7	<0.10	<0.010	<0.10
Polychlorinated Biphenyls					
Arochlor 1016	<i>parts per billion</i>	7	<0.020	<0.020	<0.020
Arochlor 1221	<i>parts per billion</i>	7	<0.020	<0.020	<0.020
Arochlor 1232	<i>parts per billion</i>	7	<0.020	<0.020	<0.020
Arochlor 1242	<i>parts per billion</i>	7	<0.020	<0.020	<0.020
Arochlor 1248	<i>parts per billion</i>	7	<0.020	<0.020	<0.020
Arochlor 1254	<i>parts per billion</i>	7	<0.020	<0.020	<0.020
Arochlor 1260	<i>parts per billion</i>	7	<0.020	<0.020	<0.020
Arochlor 1262	<i>parts per billion</i>	7	<0.020	<0.020	<0.020
Arochlor 1268	<i>parts per billion</i>	7	<0.020	<0.020	<0.020
Pesticides					
Alachlor	<i>parts per billion</i>	7	<0.050	<0.050	<0.050
Aldicarb	<i>parts per billion</i>	7	<0.10	<0.10	<0.10
Aldrin	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
alpha-Chlordane	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
alpha-Endosulfan	<i>parts per billion</i>	7	<0.0070	<0.0070	<0.0070
alpha-HCH	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
Atrazine	<i>parts per billion</i>	7	<0.050	<0.050	<0.050
Azinphos-methyl	<i>parts per billion</i>	7	<0.10	<0.10	<0.10
Bendiocarb	<i>parts per billion</i>	7	<0.0250	<0.0250	<0.0250
beta-Endosulfan	<i>parts per billion</i>	7	<0.0070	<0.0070	<0.0070
beta-HCH	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
Carbaryl	<i>parts per billion</i>	7	<0.050	<0.050	<0.050

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PARAMETER	UNITS	NO. OF RESULTS	AVERAGE	MINIMUM	MAXIMUM
Carbofuran	<i>parts per billion</i>	7	<0.0250	<0.0250	<0.0250
Chlordane	<i>parts per billion</i>	7	<0.0110	<0.0110	<0.0110
Chlorothalonil	<i>parts per billion</i>	7	<0.050	<0.050	<0.050
Chlorpyrifos	<i>parts per billion</i>	7	<0.10	<0.10	<0.10
Cyanazine	<i>parts per billion</i>	7	<0.10	<0.10	<0.10
delta-HCH	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
Diazinon	<i>parts per billion</i>	7	<0.0250	<0.0250	<0.0250
Diclofop-methyl	<i>parts per billion</i>	7	<0.10	<0.10	<0.10
Dieldrin	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
Dimethoate	<i>parts per billion</i>	7	<0.050	<0.050	<0.050
Diuron	<i>parts per billion</i>	7	<0.050	<0.050	<0.050
Endosulfan	<i>parts per billion</i>	7	<0.010	<0.010	<0.010
Endosulfan Sulfate	<i>parts per billion</i>	7	<0.0070	<0.0070	<0.0070
Endrin	<i>parts per billion</i>	7	<0.010	<0.010	<0.010
Endrin Aldehyde	<i>parts per billion</i>	7	<0.010	<0.010	<0.010
Ethalfuralin	<i>parts per billion</i>	7	<0.10	<0.10	<0.10
EPTC (Eptam)	<i>parts per billion</i>	7	<0.50	<0.50	<0.50
gamma-Chlordane	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
gamma-HCH (Lindane)	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
Heptachlor	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
Heptachlor Epoxide	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
Hexachlorobenzene	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
Hexachlorobutadiene	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
Hexachlorocyclohexane, total	<i>parts per billion</i>	7	<0.0160	<0.0160	<0.0160
Hexachloroethane	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
Malathion	<i>parts per billion</i>	7	<0.0250	<0.0250	<0.0250
Methoxychlor	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
Methyl Parathion	<i>parts per billion</i>	7	<0.10	<0.10	<0.10
Metolachlor	<i>parts per billion</i>	7	<0.0250	<0.0250	<0.0250
Metribuzin	<i>parts per billion</i>	7	<0.10	<0.10	<0.10
Metsulfuron-methyl	<i>parts per billion</i>	7	<0.050	<0.050	<0.050
Mirex	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
Omethoate	<i>parts per billion</i>	7	<0.050	<0.050	<0.050
Oxychlordane	<i>parts per billion</i>	7	<0.0080	<0.0080	<0.0080
o,p-DDD	<i>parts per billion</i>	7	<0.0040	<0.0040	<0.0040
o,p-DDE	<i>parts per billion</i>	7	<0.0040	<0.0040	<0.0040
o,p-DDT	<i>parts per billion</i>	7	<0.0040	<0.0040	<0.0040
p,p-DDD	<i>parts per billion</i>	7	<0.0040	<0.0040	<0.0040
p,p-DDE	<i>parts per billion</i>	7	<0.0040	<0.0040	<0.0040
p,p-DDT	<i>parts per billion</i>	7	<0.0040	<0.0040	<0.0040
Total-DDD	<i>parts per billion</i>	7	<0.0060	<0.0060	<0.0060
Total-DDE	<i>parts per billion</i>	7	<0.0060	<0.0060	<0.0060
Total-DDT	<i>parts per billion</i>	7	<0.0060	<0.0060	<0.0060
Parathion	<i>parts per billion</i>	7	<0.10	<0.10	<0.10
Pentachloronitrobenzene	<i>parts per billion</i>	7	<0.010	<0.010	<0.010
Phorate	<i>parts per billion</i>	7	<0.250	<0.250	<0.250

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PARAMETER	UNITS	NO. OF RESULTS	AVERAGE	MINIMUM	MAXIMUM
Propachlor	<i>parts per billion</i>	7	<0.0250	<0.0250	<0.0250
Propanil	<i>parts per billion</i>	7	<0.10	<0.10	<0.10
Propoxur	<i>parts per billion</i>	7	<0.0250	<0.0250	<0.0250
Simazine	<i>parts per billion</i>	7	<0.10	<0.10	<0.10
Terbufos	<i>parts per billion</i>	7	<0.50	<0.50	<0.50
Trans-Nonachlor	<i>parts per billion</i>	7	<0.010	<0.010	<0.010
Triallate	<i>parts per billion</i>	7	<0.10	<0.10	<0.10
Trichlopyr	<i>parts per billion</i>	7	<0.50	<0.050	<0.50
Trifluralin	<i>parts per billion</i>	7	<0.10	<0.10	<0.10
Taste and Odours					
Dichloromethane	<i>parts per billion</i>	3	<1.0	<1.0	<1.0
MTBE - methyl tertiary-butyl ether	<i>parts per billion</i>	3	<0.50	<0.50	<0.50
NDMA - N-nitrosodimethylamine	<i>parts per billion</i>	4	<0.034	<0.034	<0.034
<p>Note: Where value is expressed as less than (<), the value is halved and used in the calculations, where value is expressed as (>), the value is used in the calculations. Guidelines for Canadian Drinking Water Quality do not apply to raw water.</p>					

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PARAMETER	UNITS	Guidelines for Canadian Drinking Water Quality	NO. OF RESULTS	AVERAGE	MINIMUM	MAXIMUM
Miscellaneous						
Carbon, Dissolved Organic	<i>parts per million</i>	no guideline	52	3.1	1.8	4.3
Carbon, Total Organic	<i>parts per million</i>	no guideline	52	2.9	1.6	4.5
Chlorine, Free	<i>parts per million</i>	no guideline	488	1.43	0.83	2.00
Chlorine, Total	<i>parts per million</i>	no guideline	488	1.66	1.08	2.50
Chlorophyll-a	<i>parts per billion</i>	no guideline	12	<1.0	<1.0	4
Colour, Apparent	<i>TCU</i>	no guideline	52	1.8	0.0	3.5
Colour, True	<i>TCU</i>	no more than 15 *	52	0.0	0.0	0.0
Conductivity	<i>microsiemens per centimetre</i>	no guideline	52	305	281	343
Microcystin	<i>parts per billion</i>	no more than 1.5	12	<0.2	<0.2	<0.2
Odour	<i>units</i>	inoffensive*	52	16	8	30
ORP	<i>millivolts</i>	no guideline	52	604.6	474.1	684.1
Oxygen, Dissolved	<i>parts per million</i>	no guideline	156	11.7	8.5	17.2
Plankton (algae) count	<i>cells/mL</i>	no guideline	12	2,236	<100	7,822
pH	<i>units</i>	between 7.0 and 10.5	484	7.73	7.25	7.95
Solids, Total	<i>parts per million</i>	no guideline	52	189	168	223
Solids, Total Dissolved	<i>parts per million</i>	no more than 500 *	52	166	94	203
Temperature	<i>degrees Celcius</i>	no more than 15 *	545	10.6	0.8	22.8
Turbidity (clearness)	<i>NTU</i>	no more than 0.3 in 95% of measurements/month, never to exceed 1.0	2449	0.10	0.03	0.70
UV Absorbance, Filtered	<i>absorbance units</i>	no guideline	486	0.024	0.013	0.040
UV Absorbance, Unfiltered	<i>absorbance units</i>	no guideline	486	0.030	0.015	0.050
UV Transmittance, Filtered	<i>percent transmissivity</i>	no guideline	486	94.5	91.2	97.1
UV Transmittance, Unfiltered	<i>percent transmissivity</i>	no guideline	486	93.4	89.1	96.6
Anions and Nutrients						
Alkalinity, Total	<i>parts per million as calcium carbonate</i>	no guideline	52	70.3	59.6	83.6
Hardness, Total	<i>parts per million as calcium carbonate</i>	no guideline	52	82.1	75.8	91.3
Chloride	<i>parts per million</i>	no more than 250 *	51	3.7	3.0	5.0
Perchlorate	<i>parts per billion</i>	no guideline	4	<0.20	<0.20	<0.20
Sulphate	<i>parts per million</i>	no more than 500 *	51	70.6	60.0	87.6
Bacteria						
Escherichia Coli	<i>MPN per 100 mL</i>	none detectable per 100 mL	102	<1	<1	<1
Total Coliforms	<i>MPN per 100 mL</i>	none detectable per 100 mL	102	<1	<1	<1
Heterotrophic Plate Count	<i>CFU per mL</i>	no guideline	102	<1	<1	3
Disinfection By-Products						
BDCM	<i>parts per billion</i>	no guideline	24	1.5	1.3	2.0
Haloacetic acids	<i>parts per billion</i>	no more than 80	24	13.9	11.1	17.4
Trihalomethanes	<i>parts per billion</i>	no more than 100	24	14.45	9.40	20.40
Metals, Total						
Aluminum	<i>parts per million</i>	no more than 2.9	52	0.00537	0.00164	0.02401
Antimony	<i>parts per million</i>	no more than 0.006	52	0.000066	0.000030	0.000278
Arsenic	<i>parts per million</i>	no more than 0.010	52	0.000340	0.000290	0.000392
Boron	<i>parts per million</i>	no more than 5	52	0.01044	0.00915	0.01209
Cadmium	<i>parts per million</i>	no more than 0.007	52	<0.000007	<0.000007	0.000008
Calcium	<i>parts per million</i>	no guideline	52	21.732	18.757	25.196
Chromium	<i>parts per million</i>	no more than 0.05	52	0.00004	<0.00004	0.00009
Chromium VI	<i>parts per million</i>	no guideline	8	<0.00050	<0.00050	0.00080
Copper	<i>parts per million</i>	no more than 2.0	52	0.001200	0.000153	0.004890
Iron	<i>parts per million</i>	no more than 0.1 *	52	0.06431	0.00137	0.16815
Lead	<i>parts per million</i>	no more than 0.005	52	<0.000065	<0.000065	<0.000065
Magnesium	<i>parts per million</i>	no guideline	52	6.638	5.982	7.627

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Manganese	<i>parts per million</i>	no more than 0.12	52	0.00985	0.00563	0.01993
Mercury	<i>parts per million</i>	no more than 0.001	8	<0.0000050	<0.0000050	<0.0000050
Nickel	<i>parts per million</i>	no guideline	52	0.003297	0.002120	0.017887
Potassium	<i>parts per million</i>	no guideline	52	1.284	1.088	1.477
Sodium	<i>parts per million</i>	no more than 200 *	52	30.753	26.747	36.315
Uranium	<i>parts per million</i>	no more than 0.02	52	0.000041	<0.000032	0.000208
Zinc	<i>parts per million</i>	no more than 5.0 *	52	0.00061	<0.00011	0.00171
Phenoxy Acid Herbicides						
2,4,5-T	<i>parts per billion</i>	no guideline	7	<0.50	<0.050	<0.50
2,4,5-TP	<i>parts per billion</i>	no guideline	7	<0.50	<0.050	<0.50
2,4-D	<i>parts per billion</i>	no more than 100	7	<0.50	<0.050	<0.50
2,4-DB	<i>parts per billion</i>	no guideline	7	<0.50	<0.050	<0.50
2,4-DP	<i>parts per billion</i>	no guideline	7	<0.50	<0.050	<0.50
Asulam	<i>parts per billion</i>	no guideline	7	<0.10	<0.010	<0.10
Brodifacoum	<i>parts per billion</i>	no guideline	7	<0.10	<0.010	<0.10
Bromacil	<i>parts per billion</i>	no guideline	7	<0.10	<0.010	<0.10
Bromoxynil	<i>parts per billion</i>	no more than 30	7	<0.50	<0.050	<0.50
Clopyralid	<i>parts per billion</i>	no guideline	7	<1.0	<0.10	<1.0
Dicamba	<i>parts per billion</i>	no more than 110	7	<1.0	<0.10	<1.0
Diflufenican	<i>parts per billion</i>	no guideline	7	<0.10	<0.010	<0.10
Dinoseb	<i>parts per billion</i>	no guideline	7	<0.50	<0.050	<0.50
Linuron	<i>parts per billion</i>	no guideline	7	<1.0	<0.10	<1.0
MCPA	<i>parts per billion</i>	no more than 350	7	<0.50	<0.050	<0.50
MCPB	<i>parts per billion</i>	no guideline	7	<0.50	<0.050	<0.50
Mecoprop	<i>parts per billion</i>	no guideline	7	<0.50	<0.050	<0.50
Nicarbazin	<i>parts per billion</i>	no guideline	7	<0.10	<0.010	<0.10
Oryzalin	<i>parts per billion</i>	no guideline	7	<0.50	<0.050	<0.50
Picloram	<i>parts per billion</i>	no guideline	7	<1.0	<0.10	<1.0
Terbacil	<i>parts per billion</i>	no guideline	7	<0.10	<0.010	<0.10
Polychlorinated Biphenyls						
Arochlor 1016	<i>parts per billion</i>	no guideline	7	<0.020	<0.020	<0.020
Arochlor 1221	<i>parts per billion</i>	no guideline	7	<0.020	<0.020	<0.020
Arochlor 1232	<i>parts per billion</i>	no guideline	7	<0.020	<0.020	<0.020
Arochlor 1242	<i>parts per billion</i>	no guideline	7	<0.020	<0.020	<0.020
Arochlor 1248	<i>parts per billion</i>	no guideline	7	<0.020	<0.020	<0.020
Arochlor 1254	<i>parts per billion</i>	no guideline	7	<0.020	<0.020	<0.020
Arochlor 1260	<i>parts per billion</i>	no guideline	7	<0.020	<0.020	<0.020
Arochlor 1268	<i>parts per billion</i>	no guideline	7	<0.020	<0.020	<0.020
Pesticides						
Alachlor	<i>parts per billion</i>	no guideline	7	<0.050	<0.050	<0.050
Aldicarb	<i>parts per billion</i>	no guideline	7	<0.10	<0.10	<0.10
Aldrin	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
alpha-Chlordane	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
alpha-Endosulfan	<i>parts per billion</i>	no guideline	7	<0.0070	<0.0070	<0.0070
alpha-HCH	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
Atrazine	<i>parts per billion</i>	no more than 5	7	<0.050	<0.050	<0.050
Azinphos-methyl	<i>parts per billion</i>	no guideline	7	<0.10	<0.10	<0.10
Bendiocarb	<i>parts per billion</i>	no guideline	7	<0.0250	<0.0250	<0.0250
beta-Endosulfan	<i>parts per billion</i>	no guideline	7	<0.0070	<0.0070	<0.0070
beta-HCH	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
Carbaryl	<i>parts per billion</i>	no guideline	7	<0.050	<0.050	<0.050
Carbofuran	<i>parts per billion</i>	no guideline	7	<0.0250	<0.0250	<0.0250
Chlordane	<i>parts per billion</i>	no guideline	7	<0.0110	<0.0110	<0.0110
Chlorothalonil	<i>parts per billion</i>	no guideline	7	<0.050	<0.050	<0.050
Chlorpyrifos	<i>parts per billion</i>	no more than 90	7	<0.10	<0.10	<0.10

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Cyanazine	<i>parts per billion</i>	no guideline	7	<0.10	<0.10	<0.10
delta-HCH	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
Diazinon	<i>parts per billion</i>	no guideline	7	<0.0250	<0.0250	<0.0250
Diclofop-methyl	<i>parts per billion</i>	no guideline	7	<0.10	<0.10	<0.10
Dieldrin	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
Dimethoate	<i>parts per billion</i>	no more than 20	7	<0.050	<0.050	<0.050
Diuron	<i>parts per billion</i>	no guideline	7	<0.050	<0.050	<0.050
Endosulfan	<i>parts per billion</i>	no guideline	7	<0.010	<0.010	<0.010
Endosulfan Sulfate	<i>parts per billion</i>	no guideline	7	<0.0070	<0.0070	<0.0070
Endrin	<i>parts per billion</i>	no guideline	7	<0.010	<0.010	<0.010
Endrin Aldehyde	<i>parts per billion</i>	no guideline	7	<0.010	<0.010	<0.010
Ethalfuralin	<i>parts per billion</i>	no guideline	7	<0.10	<0.10	<0.10
EPTC (Eptam)	<i>parts per billion</i>	no guideline	7	<0.50	<0.50	<0.50
gamma-Chlordane	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
gamma-HCH (Lindane)	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
Heptachlor	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
Heptachlor Epoxide	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
Hexachlorobenzene	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
Hexachlorobutadiene	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
Hexachlorocyclohexane, total	<i>parts per billion</i>	no guideline	7	<0.0160	<0.0160	<0.0160
Hexachloroethane	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
Malathion	<i>parts per billion</i>	no more than 290	7	<0.0250	<0.0250	<0.0250
Methoxychlor	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
Methyl Parathion	<i>parts per billion</i>	no guideline	7	<0.10	<0.10	<0.10
Metolachlor	<i>parts per billion</i>	no guideline	7	<0.0250	<0.0250	<0.0250
Metribuzin	<i>parts per billion</i>	no more than 80	7	<0.10	<0.10	<0.10
Metsulfuron-methyl	<i>parts per billion</i>	no guideline	7	<0.050	<0.050	<0.050
Mirex	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
Omethoate	<i>parts per billion</i>	no more than 20	7	<0.050	<0.050	<0.050
Oxychlordane	<i>parts per billion</i>	no guideline	7	<0.0080	<0.0080	<0.0080
o,p-DDD	<i>parts per billion</i>	no guideline	7	<0.0040	<0.0040	<0.0040
o,p-DDE	<i>parts per billion</i>	no guideline	7	<0.0040	<0.0040	<0.0040
o,p-DDT	<i>parts per billion</i>	no guideline	7	<0.0040	<0.0040	<0.0040
p,p-DDD	<i>parts per billion</i>	no guideline	7	<0.0040	<0.0040	<0.0040
p,p-DDE	<i>parts per billion</i>	no guideline	7	<0.0040	<0.0040	<0.0040
p,p-DDT	<i>parts per billion</i>	no guideline	7	<0.0040	<0.0040	<0.0040
Total-DDD	<i>parts per billion</i>	no guideline	7	<0.0060	<0.0060	<0.0060
Total-DDE	<i>parts per billion</i>	no guideline	7	<0.0060	<0.0060	<0.0060
Total-DDT	<i>parts per billion</i>	no guideline	7	<0.0060	<0.0060	<0.0060
Parathion	<i>parts per billion</i>	no guideline	7	<0.10	<0.10	<0.10
Pentachloronitrobenzene	<i>parts per billion</i>	no guideline	7	<0.010	<0.010	<0.010
Phorate	<i>parts per billion</i>	no guideline	7	<0.250	<0.250	<0.250
Propachlor	<i>parts per billion</i>	no guideline	7	<0.0250	<0.0250	<0.0250
Propanil	<i>parts per billion</i>	no guideline	7	<0.10	<0.010	<0.10
Propoxur	<i>parts per billion</i>	no guideline	7	<0.0250	<0.0250	<0.0250
Simazine	<i>parts per billion</i>	no guideline	7	<0.10	<0.10	<0.10
Terbufos	<i>parts per billion</i>	no guideline	7	<0.50	<0.50	<0.50
Trans-Nonachlor	<i>parts per billion</i>	no guideline	7	<0.010	<0.010	<0.010
Triallate	<i>parts per billion</i>	no guideline	7	<0.10	<0.10	<0.10
Trichlopyr	<i>parts per billion</i>	no guideline	7	<0.50	<0.050	<0.50
Trifluralin	<i>parts per billion</i>	no guideline	7	<0.10	<0.10	<0.10

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PARAMETER	UNITS	Guidelines for Canadian Drinking Water Quality	NO. OF RESULTS	AVERAGE	MINIMUM	MAXIMUM
Taste and Odours						
Dichloromethane	<i>parts per billion</i>	no more than 50	3	<1.0	<1.0	<1.0
MTBE - methyl tertiary-butyl ether	<i>parts per billion</i>	no more than 15 *	3	<0.50	<0.50	<0.50
NDMA - N-nitrosodimethylamine	<i>parts per billion</i>	no more than 0.04	4	<0.034	<0.034	<0.034

*Aesthetic objective: These guidelines have an objective and not a maximum acceptable concentration. These parameters should not impact the safety of the water to drink and there is no anticipated health risk for short-term exposures.

Guidelines from 'Summary of Guidelines for Canadian Drinking Water Quality' by Health Canada, December 2025

Results in red do not meet the guideline

Note: Where value is expressed as less than (<), the value is halved and used in the calculations, where value is expressed as (>), the value is used in the calculations.

City of Winnipeg
Environmental Standards Division
2025 Winnipeg Distribution System Water Quality Summary

PARAMETER	UNITS	Guidelines for Canadian Drinking Water Quality	NO. OF RESULTS	AVERAGE	MINIMUM	MAXIMUM
Miscellaneous						
Carbon, Dissolved Organic	<i>parts per million</i>	no guideline	56	5.8	2.8	11.3
Carbon, Total Organic	<i>parts per million</i>	no guideline	128	4.3	1.9	10.4
Chlorine, Free	<i>parts per million</i>	no guideline	3258	0.94	0.07	1.56
Chlorine, Total	<i>parts per million</i>	no guideline	3258	1.18	0.17	1.85
Colour, Apparent	<i>TCU</i>	no guideline	52	2.3	0.0	3.5
Colour, True	<i>TCU</i>	no more than 15 *	52	0.1	0.0	1.0
Conductivity	<i>microsiemens per centimetre</i>	no guideline	4	302	283	339
Langelier Index (4 C)	<i>units</i>	no guideline	4	-0.74	-1.04	-0.47
Langelier Index (60 C)	<i>units</i>	no guideline	4	0.03	-0.26	0.29
Odour	<i>units</i>	inoffensive*	260	12	6	35
ORP	<i>millivolts</i>	no guideline	136	617.5	484.4	711.3
Oxygen, Dissolved	<i>parts per million</i>	no guideline	468	11.5	8.3	16.7
PFAS, Total	<i>parts per million</i>	no guideline	2	<14.0	<12.0	<14.0
pH	<i>units</i>	between 7.0 and 10.5	472	7.49	6.99	8.02
Solids, Total Dissolved	<i>parts per million</i>	2.0E+00	56	168	112	213
Temperature	<i>degrees Celcius</i>	no more than 15 *	3298	11.2	1.1	22.7
Turbidity (clearness)	<i>NTU</i>	no guideline	3256	0.18	0.09	4.4
UV Absorbance, Filtered	<i>absorbance units</i>	no guideline	4	0.026	0.016	0.031
UV Transmittance, Filtered	<i>percent transmissivity</i>	no guideline	4	94.3	93.1	96.4
Anions and Nutrients						
Alkalinity, Total	<i>parts per million as calcium carbonate</i>	no guideline	56	67.3	57.8	77.5
Alkalinity, Bicarbonate	<i>parts per million</i>	no guideline	4	66.2	57.8	76.5
Alkalinity, Carbonate	<i>parts per million</i>	no guideline	4	<1.0	<1.0	<1.0
Alkalinity, Hydroxide	<i>parts per million</i>	no guideline	4	<1.0	<1.0	<1.0
Hardness, Total	<i>parts per million as calcium carbonate</i>	no guideline	56	82.4	75.5	91.7
Ammonia	<i>parts per million</i>	no guideline	4	0.020	0.009	0.036
Bromate	<i>parts per million</i>	no more than 0.01	4	<0.0003	<0.0003	0.0004
Bromide	<i>parts per million</i>	no guideline	4	<0.05	<0.05	<0.05
Chloride	<i>parts per million</i>	no more than 250 *	55	4.1	3.5	5.3
Fluoride	<i>parts per million</i>	no more than 1.5	163	0.69	0.55	0.95
Nitrate Nitrogen	<i>parts per million</i>	no more than 10	4	0.043	0.019	0.108
Nitrite	<i>parts per million</i>	no more than 3	4	<0.001	<0.001	<0.001
Phosphate, Soluble	<i>parts per million as phosphate</i>	no guideline	314	1.92	1.55	2.14
Phosphorus, Total	<i>parts per million</i>	no guideline	4	0.667	0.649	0.681
Sulphate	<i>parts per million</i>	no more than 500 *	56	70.9	58.6	89.0
Bacteria						
Escherichia Coli	<i>MPN per 100 mL</i>	none detectable per 100 mL	3140	<1	<1	<1
Total Coliforms	<i>MPN per 100 mL</i>	none detectable per 100 mL	3140	<1	<1	9
Heterotrophic Plate Count	<i>CFU per mL</i>	no guideline	2194	1	<1	>300
Disinfection By-Products						
BDCM	<i>parts per billion</i>	no guideline	132	3.0	1.9	4.3
Haloacetic acids	<i>parts per billion</i>	no more than 80	132	29.1	15.4	46.5
Trihalomethanes	<i>parts per billion</i>	no more than 100	132	34.5	19.1	53.2
Metals, Total						
Aluminum	<i>parts per million</i>	no more than 2.9	188	0.0054	0.00235	0.0654
Antimony	<i>parts per million</i>	no more than 0.006	188	0.000053	0.000028	0.000388
Arsenic	<i>parts per million</i>	no more than 0.010	188	0.000350	0.000282	0.000480
Barium	<i>parts per million</i>	no more than 2	4	0.0148	0.0136	0.0161
Beryllium	<i>parts per million</i>	no guideline	4	<0.00002	<0.00002	<0.00002
Bismuth	<i>parts per million</i>	no guideline	4	<0.000050	<0.000050	<0.000050
Boron	<i>parts per million</i>	no more than 5	188	0.011	0.009	0.025
Cadmium	<i>parts per million</i>	no more than 0.007	188	<0.000005	<0.000005	0.000011
Calcium	<i>parts per million</i>	no guideline	188	22.005	19.047	24.863
Cesium	<i>parts per million</i>	no guideline	4	<0.000010	<0.000010	<0.000010

City of Winnipeg
Environmental Standards Division
2025 Winnipeg Distribution System Water Quality Summary

PARAMETER	UNITS	Guidelines for Canadian Drinking Water Quality	NO. OF RESULTS	AVERAGE	MINIMUM	MAXIMUM
Chromium	parts per million	no more than 0.05	188	0.00006	<0.00004	0.00029
Chromium VI	parts per million	no guideline	44	0.00058	<0.00050	0.00344
Cobalt	parts per million	no guideline	4	0.00157	0.00113	0.00210
Copper	parts per million	no more than 2.0	188	0.035694	0.000157	0.127180
Iron	parts per million	no more than 0.1 *	200	0.07017	0.01597	0.94011
Lead**	parts per million	no more than 0.005	188	0.000066	<0.000050	0.000477
Lithium	parts per million	no guideline	4	0.0021	0.0014	0.0026
Magnesium	parts per million	no guideline	188	6.589	5.691	7.588
Manganese	parts per million	no more than 0.12	200	0.00989	0.00506	0.10447
Mercury	parts per million	no more than 0.001	44	<0.0000050	<0.0000050	<0.0000050
Molybdenum	parts per million	no guideline	4	<0.000050	<0.000050	<0.000050
Nickel	parts per million	no guideline	188	0.002759	0.001969	0.004103
Potassium	parts per million	no guideline	188	1.293	1.100	1.505
Rubidium	parts per million	no guideline	4	0.0016	0.0015	0.0018
Selenium	parts per million	no more than 0.05	4	<0.000050	<0.000050	0.000066
Silicon	parts per million	no guideline	4	1.54	1.07	1.91
Silver	parts per million	no guideline	4	<0.000010	<0.000010	<0.000010
Sodium	parts per million	no more than 200 *	188	30.788	25.581	37.410
Strontium	parts per million	no more than 7	4	0.0401	0.0378	0.0422
Sulfur	parts per million	no guideline	2	24.1	23.3	24.9
Tellurium	parts per million	no guideline	4	<0.00020	<0.00020	<0.00020
Thallium	parts per million	no guideline	4	<0.000010	<0.000010	<0.000010
Thorium	parts per million	no guideline	4	<0.00010	<0.00010	<0.00010
Tin	parts per million	no guideline	4	<0.00010	<0.00010	0.00016
Titanium	parts per million	no guideline	4	<0.00030	<0.00030	<0.00030
Tungsten	parts per million	no guideline	4	<0.00010	<0.00010	<0.00010
Uranium	parts per million	no more than 0.02	188	0.000032	<0.000010	0.000199
Vanadium	parts per million	no guideline	4	<0.00050	<0.00050	<0.00050
Zinc	parts per million	no more than 5.0 *	188	0.0030	0.0002	0.0220
Zirconium	parts per million	no guideline	4	<0.00020	<0.00020	<0.00020

*Aesthetic objective: These guidelines have an objective and not a maximum acceptable concentration. These parameters should not impact the safety of the water to drink and there is no anticipated health risk for short-term exposures.

**Excludes Residential Lead Monitoring Results

Guidelines from 'Summary of Guidelines for Canadian Drinking Water Quality' by Health Canada, December 2025

Results in red do not meet the guideline

Data reported was collected from a combination of MacLean, Hurst, and McPhillips Pumping Station Discharges, 57 distribution system locations, and/or Branch I at McPhillips and Branch II at Hurst.

Note: Where value is expressed as less than (<), the value is halved and used in the calculations, where value is expressed as (>), the value is used in the calculations.

City of Winnipeg
Environmental Standards Division
2025 Winnipeg Distribution System Bacteriological Summary

PARAMETER	REQUIREMENT	NO. OF RESULTS	COMMENTS
Number of total coliform bacteria tests in year	2028 samples/year	3,140	
Number of times that total coliform bacteria show up in a test	none detectable per 100 mL	0.02% (5 positive test)	All resamples were negative and met the operating licence requirements.
Number of <i>Escherichia coli</i> bacteria tests in year	2028 samples/year	3,140	
Number of times that <i>Escherichia coli</i> bacteria show up in a test	none detectable per 100 mL	0.00% (0 positive tests)	
Number of heterotrophic (bacteria) plate count (HPC) tests done	no requirement	2,194	Heterotrophic plate count testing is not required under the operating licence
Requirements from City of Winnipeg Operating Licence PWS-09-412-03			
Data reported was collected from 57 distribution system locations and MacLean, Hurst, and McPhillips Pumping Station Discharges			

APPENDIX B
COMPLIANCE SUBMISSION REPORTS

2025 MONTHLY CHLORINE REPORTS

WATER TREATMENT PLANT FREE CHLORINE ON-LINE MONITORING REPORT
Deacon Booster Pumping Station

Water System Code: **252.00**
Licence Number: **PWS-09-412-02-AA**
Report Created: 01 February 2025

Report Period: January 2025

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/01/2025	1.17	1.12	1.17	1.10
02/01/2025	1.28	1.22	1.26	1.18
03/01/2025	1.29	1.23	1.27	1.22
04/01/2025	1.23	1.16	1.25	1.21
05/01/2025	1.17	1.13	1.24	1.21
06/01/2025	1.13	1.07	1.19	1.15
07/01/2025	1.20	1.15	1.19	1.15
08/01/2025	1.18	1.09	1.23	1.11
09/01/2025	1.18	1.07	1.25	1.11
10/01/2025	1.22	1.07	1.25	1.13
11/01/2025	1.29	1.23	1.30	1.24
12/01/2025	1.32	1.27	1.29	1.23
13/01/2025	1.29	1.20	1.28	1.20
14/01/2025	1.17	1.14	1.20	1.17
15/01/2025	1.16	1.13	1.14	1.06
16/01/2025	1.15	1.00	1.15	0.98
17/01/2025	1.05	0.84	1.11	0.96
18/01/2025	1.31	1.07	1.15	1.08
19/01/2025	1.36	1.12	1.21	1.14
20/01/2025	1.29	1.25	1.28	1.12
21/01/2025	1.28	1.20	1.29	1.13
22/01/2025	1.22	1.16	1.24	1.11
23/01/2025	1.23	1.18	1.23	1.05
24/01/2025	1.18	1.12	1.21	1.16
25/01/2025	1.18	1.12	1.18	1.10
26/01/2025	1.21	1.10	1.15	1.01
27/01/2025	1.27	1.10	1.20	1.03
28/01/2025	1.28	1.15	1.25	1.14
29/01/2025	1.22	1.09	1.22	1.08
30/01/2025	1.22	1.17	1.20	1.12
31/01/2025	1.16	1.10	1.17	1.10

Total Number of Measurements, A:	21601	21596
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	21601	21596
COMPLIANCE, C = B/A X 100%:	100.00	100.00

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Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water Treatment Plant Chlorine Grab Monitoring Report January 2025

Water System Code: 252.00 Licence No. PWS-09-412-02 AA	Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
Date	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)
	Analyser	Grab	Grab	Analyser	Grab	Grab
01-Jan-2025	ns	ns	ns	ns	ns	ns
02-Jan-2025	1.30	1.33	1.53	1.29	1.36	1.53
03-Jan-2025	1.33	1.20	1.52	1.29	1.27	1.46
04-Jan-2025	ns	ns	ns	ns	ns	ns
05-Jan-2025	ns	ns	ns	ns	ns	ns
06-Jan-2025	1.13	1.19	1.37	1.21	1.19	1.39
07-Jan-2025	1.24	1.27	1.42	1.22	1.27	1.42
08-Jan-2025	1.20	1.20	1.41	1.22	1.22	1.36
09-Jan-2025	1.16	1.15	1.37	1.30	1.29	1.47
10-Jan-2025	1.17	1.18	1.28	1.18	1.19	1.34
11-Jan-2025	ns	ns	ns	ns	ns	ns
12-Jan-2025	ns	ns	ns	ns	ns	ns
13-Jan-2025	1.22	1.22	1.45	1.29	1.30	1.54
14-Jan-2025	1.20	1.20	1.31	1.22	1.22	1.40
15-Jan-2025	1.16	1.17	1.42	1.23	1.09	1.38
16-Jan-2025	1.07	1.08	1.23	1.09	1.10	1.28
17-Jan-2025	0.84	0.83	1.08	1.08	1.08	1.23
18-Jan-2025	ns	ns	ns	ns	ns	ns
19-Jan-2025	ns	ns	ns	ns	ns	ns
20-Jan-2025	1.32	1.31	1.54	1.31	1.27	1.42
21-Jan-2025	1.33	1.35	1.57	1.30	1.29	1.47
22-Jan-2025	1.20	1.24	1.50	1.13	1.18	1.39
23-Jan-2025	1.24	1.25	1.46	1.26	1.25	1.46
24-Jan-2025	1.27	1.26	1.50	1.32	1.32	1.50
25-Jan-2025	ns	ns	ns	ns	ns	ns
26-Jan-2025	ns	ns	ns	ns	ns	ns
27-Jan-2025	1.28	1.27	1.47	1.22	1.23	1.35
28-Jan-2025	1.28	1.28	1.42	1.20	1.21	1.48
29-Jan-2025	1.17	1.16	1.40	1.16	1.17	1.45
30-Jan-2025	1.23	1.24	1.38	1.21	1.20	1.33
31-Jan-2025	1.14	1.13	1.33	1.14	1.13	1.38
Total number of measurements taken, A:			22			22
Chlorine Standard for Monitoring Location (mg/L):			0.50			0.50
Number of measurements meeting standard, B:			22			22
Compliance with Chlorine Standard, C= B/A X 100%:			100%			100%

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Report Date:

February 7, 2025



WATER TREATMENT PLANT FREE CHLORINE ON-LINE MONITORING REPORT
 Deacon Booster Pumping Station

Water System Code: **252.00**
 Licence Number: **PWS-09-412-02-AA**
 Report Created: 01 March 2025

Report Period: February 2025

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/02/2025	1.14	1.04	1.15	1.04
02/02/2025	1.25	1.13	1.23	1.09
03/02/2025	1.22	1.18	1.27	1.19
04/02/2025	1.20	1.13	1.26	1.19
05/02/2025	1.24	1.19	1.27	1.22
06/02/2025	1.24	1.20	1.27	1.22
07/02/2025	1.24	1.17	1.24	1.17
08/02/2025	1.23	1.12	1.26	1.17
09/02/2025	1.15	1.09	1.21	1.17
10/02/2025	1.11	1.04	1.19	1.11
11/02/2025	1.14	1.05	1.14	1.02
12/02/2025	1.16	1.09	1.19	1.14
13/02/2025	1.17	1.03	1.21	1.09
14/02/2025	1.19	1.15	1.17	1.10
15/02/2025	1.19	1.16	1.10	1.07
16/02/2025	1.19	1.05	1.13	0.96
17/02/2025	1.25	1.20	1.22	1.17
18/02/2025	1.23	1.18	1.24	1.18
19/02/2025	1.24	1.15	1.24	1.16
20/02/2025	1.19	1.16	1.19	1.16
21/02/2025	1.19	1.14	1.17	1.09
22/02/2025	1.17	1.14	1.14	1.09
23/02/2025	1.18	1.13	1.18	1.13
24/02/2025	1.19	0.96	1.18	0.95
25/02/2025	1.18	1.13	1.17	1.12
26/02/2025	1.18	1.14	1.19	1.15
27/02/2025	1.17	1.12	1.20	1.15
28/02/2025	1.15	1.10	1.21	1.17

Total Number of Measurements, A:	19443	19443
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	19443	19443
COMPLIANCE, C = B/A X 100%:	100.00	100.00

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Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water Treatment Plant Chlorine Grab Monitoring Report February 2025

Water System Code: 252.00	Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
Licence No. PWS-09-412-02 AA						
Date	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)
	Analyser	Grab	Grab	Analyser	Grab	Grab
01-Feb-2025	ns	ns	ns	ns	ns	ns
02-Feb-2025	ns	ns	ns	ns	ns	ns
03-Feb-2025	1.27	1.27	1.45	1.26	1.25	1.48
04-Feb-2025	1.17	1.24	1.40	1.28	1.26	1.43
05-Feb-2025	1.24	1.28	1.50	1.25	1.34	1.51
06-Feb-2025	1.21	1.28	1.47	1.23	1.33	1.46
07-Feb-2025	1.19	1.29	1.49	1.26	1.32	1.50
08-Feb-2025	ns	ns	ns	ns	ns	ns
09-Feb-2025	ns	ns	ns	ns	ns	ns
10-Feb-2025	1.12	1.22	1.41	1.19	1.26	1.42
11-Feb-2025	1.13	1.12	1.26	1.18	1.19	1.43
12-Feb-2025	1.15	1.15	1.33	1.22	1.21	1.36
13-Feb-2025	1.09	1.14	1.35	1.14	1.18	1.36
14-Feb-2025	1.17	1.27	1.41	1.20	1.27	1.43
15-Feb-2025	ns	ns	ns	ns	ns	ns
16-Feb-2025	ns	ns	ns	ns	ns	ns
17-Feb-2025	ns	ns	ns	ns	ns	ns
18-Feb-2025	1.20	1.18	1.42	1.24	1.28	1.44
19-Feb-2025	1.26	1.30	1.51	1.26	1.32	1.52
20-Feb-2025	1.22	1.23	1.39	1.21	1.22	1.44
21-Feb-2025	1.20	1.19	1.41	1.20	1.20	1.44
22-Feb-2025	ns	ns	ns	ns	ns	ns
23-Feb-2025	ns	ns	ns	ns	ns	ns
24-Feb-2025	1.20	1.26	1.49	1.23	1.30	1.52
25-Feb-2025	1.14	1.22	1.40	1.15	1.20	1.37
26-Feb-2025	1.18	1.19	1.35	1.20	1.21	1.39
27-Feb-2025	1.22	1.19	1.39	1.19	1.18	1.34
28-Feb-2025	1.15	1.16	1.35	1.19	1.19	1.37
Total number of measurements taken, A:		19		19		
Chlorine Standard for Monitoring Location (mg/L):		0.50		0.50		
Number of measurements meeting standard, B:		19		19		
Compliance with Chlorine Standard, C= B/A X 100%:		100%		100%		

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Report Date: March 7, 2025



WATER TREATMENT PLANT FREE CHLORINE ON-LINE MONITORING REPORT
Deacon Booster Pumping Station

Water System Code: **252.00**
Licence Number: **PWS-09-412-02-AA**
Report Created: 01 April 2025

Report Period: March 2025

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/03/2025	1.18	1.11	1.21	1.14
02/03/2025	1.21	1.16	1.24	1.19
03/03/2025	1.25	1.18	1.25	1.19
04/03/2025	1.29	1.06	1.29	1.22
05/03/2025	1.27	1.11	1.25	1.19
06/03/2025	1.47	1.16	1.28	1.11
07/03/2025	1.33	1.08	1.28	1.01
08/03/2025	1.33	1.23	1.34	1.28
09/03/2025	1.29	1.22	1.28	1.21
10/03/2025	1.27	1.21	1.26	1.13
11/03/2025	1.30	1.23	1.33	1.28
12/03/2025	1.29	1.23	1.30	1.25
13/03/2025	1.26	1.19	1.25	1.22
14/03/2025	1.25	1.21	1.23	1.19
15/03/2025	1.21	1.14	1.19	1.15
16/03/2025	1.20	1.15	1.22	1.14
17/03/2025	1.19	1.12	1.18	1.09
18/03/2025	1.22	1.15	1.19	1.14
19/03/2025	1.23	0.90	1.21	0.80
20/03/2025	1.18	1.10	1.12	0.89
21/03/2025	1.21	1.16	1.21	1.14
22/03/2025	1.21	1.17	1.21	1.15
23/03/2025	1.21	1.16	1.22	1.16
24/03/2025	1.18	1.15	1.23	1.02
25/03/2025	OL	OL	1.28	1.20
26/03/2025	OL	OL	1.30	1.25
27/03/2025	OL	OL	1.29	1.26
28/03/2025	OL	OL	1.26	1.13
29/03/2025	OL	OL	1.18	1.13
30/03/2025	OL	OL	1.16	1.12
31/03/2025	1.22	1.17	1.24	1.15

Total Number of Measurements, A:	21495	21496
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	21495	21496
COMPLIANCE, C = B/A X 100%:	100.00	100.00
OL = off line		

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Submitted By (Print): H. Buhler

Signature: original signed by H. Buhler



Water Treatment Plant Chlorine Grab Monitoring Report
March 2025

Water System Code: 252.00 Licence No. PWS-09-412-02 AA	Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)
Date	Analyser	Grab	Grab	Analyser	Grab	Grab
01-Mar-2025	ns	ns	ns	ns	ns	ns
02-Mar-2025	ns	ns	ns	ns	ns	ns
03-Mar-2025	1.22	1.23	1.41	1.28	1.25	1.49
04-Mar-2025	1.31	1.33	1.54	1.25	1.38	1.54
05-Mar-2025	1.32	1.38	1.52	1.31	1.36	1.53
06-Mar-2025	1.34	1.42	1.61	1.35	1.42	1.58
07-Mar-2025	1.26	1.30	1.47	1.16	1.31	1.44
08-Mar-2025	ns	ns	ns	ns	ns	ns
09-Mar-2025	ns	ns	ns	ns	ns	ns
10-Mar-2025	1.27	1.25	1.41	1.24	1.22	1.37
11-Mar-2025	1.30	1.43	1.55	1.35	1.41	1.66
12-Mar-2025	1.32	1.32	1.54	1.32	1.33	1.54
13-Mar-2025	1.24	1.23	1.47	1.25	1.25	1.47
14-Mar-2025	1.24	1.23	1.41	1.22	1.30	1.45
15-Mar-2025	ns	ns	ns	ns	ns	ns
16-Mar-2025	ns	ns	ns	ns	ns	ns
17-Mar-2025	1.16	1.28	1.43	1.20	1.24	1.41
18-Mar-2025	1.26	1.26	1.44	1.21	1.25	1.46
19-Mar-2025	1.20	1.25	1.42	1.16	1.28	1.42
20-Mar-2025	1.21	1.23	1.50	1.18	1.23	1.44
21-Mar-2025	1.17	1.24	1.42	1.22	1.21	1.44
22-Mar-2025	ns	ns	ns	ns	ns	ns
23-Mar-2025	ns	ns	ns	ns	ns	ns
24-Mar-2025	1.24	1.24	1.47	1.20	1.29	1.44
25-Mar-2025	o/l	o/l	o/l	1.26	1.29	1.49
26-Mar-2025	o/l	o/l	o/l	1.29	1.33	1.49
27-Mar-2025	o/l	o/l	o/l	1.20	1.24	1.51
28-Mar-2025	o/l	o/l	o/l	1.28	1.28	1.52
29-Mar-2025	ns	ns	ns	ns	ns	ns
30-Mar-2025	ns	ns	ns	ns	ns	ns
31-Mar-2025	1.37	1.13	1.27	1.26	1.21	1.47
Total number of measurements taken, A:			17			21
Chlorine Standard for Monitoring Location (mg/L):			0.50			0.50
Number of measurements meeting standard, B:			17			21
Compliance with Chlorine Standard, C= B/A X 100%:			100%			100%

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Branch 1 was offline for maintenance from March 24 at 9:24 am to March 31 at 3:44 pm.

March 31: Branch 1 sample analyzed past hold time. Operations sampled at 3:55 pm: 1.38 mg/L free chlorine; analyzer reading 1.17 mg/L.

Report Date: April 7, 2025



WATER TREATMENT PLANT FREE CHLORINE ON-LINE MONITORING REPORT
Deacon Booster Pumping Station

Water System Code: **252.00**
Licence Number: **PWS-09-412-02-AA**
Report Created: **01 May 2025**

Report Period: April 2025

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/04/2025	1.30	1.14	1.29	1.17
02/04/2025	1.23	1.13	1.24	1.13
03/04/2025	1.17	1.14	1.17	1.06
04/04/2025	1.20	1.13	1.20	1.12
05/04/2025	1.27	1.23	1.26	1.22
06/04/2025	1.23	1.19	1.21	1.16
07/04/2025	1.18	1.12	1.19	1.08
08/04/2025	1.21	1.09	1.23	1.11
09/04/2025	1.33	1.27	1.33	1.22
10/04/2025	1.37	1.26	1.36	1.07
11/04/2025	1.43	1.33	1.40	1.27
12/04/2025	1.35	1.33	1.29	1.25
13/04/2025	1.34	1.30	1.29	1.24
14/04/2025	1.28	1.23	1.33	1.20
15/04/2025	1.23	1.10	1.31	1.25
16/04/2025	1.28	1.23	1.29	1.18
17/04/2025	1.25	1.21	1.26	1.21
18/04/2025	1.22	1.18	1.24	1.19
19/04/2025	1.31	1.27	1.23	1.23
20/04/2025	1.30	1.26	1.24	1.23
21/04/2025	1.32	1.29	1.34	1.29
22/04/2025	1.28	1.01	1.27	1.07
23/04/2025	1.01	1.00	1.36	1.07
24/04/2025	OL	OL	1.36	1.17
25/04/2025	OL	OL	1.36	1.29
26/04/2025	OL	OL	1.35	1.27
27/04/2025	OL	OL	1.34	1.28
28/04/2025	OL	OL	1.38	1.29
29/04/2025	OL	OL	1.32	1.16
30/04/2025	1.13	1.01	1.32	1.21

Total Number of Measurements, A:	20880	20882
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	20880	20882
COMPLIANCE, C = B/A X 100%:	100.00	100.00

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Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water Treatment Plant Chlorine Grab Monitoring Report April 2025

Water System Code: 252.00		Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
Licence No. PWS-09-412-02 AA							
Date	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)	
	Analyser	Grab	Grab	Analyser	Grab	Grab	
01-Apr-2025	1.32	1.27	1.52	1.33	1.33	1.53	
02-Apr-2025	1.19	1.12	1.37	1.24	1.24	1.42	
03-Apr-2025	1.19	1.12	1.43	1.22	1.21	1.46	
04-Apr-2025	1.14	1.11	1.36	1.16	1.18	1.37	
05-Apr-2025	ns	ns	ns	ns	ns	ns	
06-Apr-2025	ns	ns	ns	ns	ns	ns	
07-Apr-2025	1.17	1.24	1.46	1.14	1.24	1.45	
08-Apr-2025	1.15	1.19	1.45	1.16	1.23	1.44	
09-Apr-2025	1.27	1.31	1.60	1.28	1.36	1.61	
10-Apr-2025	1.39	1.43	1.60	1.33	1.41	1.60	
11-Apr-2025	1.41	1.40	1.71	1.38	1.47	1.70	
12-Apr-2025	ns	ns	ns	ns	ns	ns	
13-Apr-2025	ns	ns	ns	ns	ns	ns	
14-Apr-2025	1.31	1.41	1.57	1.27	1.39	1.59	
15-Apr-2025	1.30	1.34	1.49	1.25	1.34	1.53	
16-Apr-2025	1.30	1.38	1.55	1.32	1.39	1.58	
17-Apr-2025	1.28	1.34	1.56	1.28	1.37	1.58	
18-Apr-2025	ns	ns	ns	ns	ns	ns	
19-Apr-2025	ns	ns	ns	ns	ns	ns	
20-Apr-2025	ns	ns	ns	ns	ns	ns	
21-Apr-2025	ns	ns	ns	ns	ns	ns	
22-Apr-2025	1.39	1.42	1.61	1.42	1.46	1.61	
23-Apr-2025	o/l	o/l	o/l	1.39	1.35	1.56	
24-Apr-2025	o/l	o/l	o/l	1.35	1.34	1.53	
25-Apr-2025	o/l	o/l	o/l	1.35	1.43	1.58	
26-Apr-2025	ns	ns	ns	ns	ns	ns	
27-Apr-2025	ns	ns	ns	ns	ns	ns	
28-Apr-2025	o/l	o/l	o/l	1.36	1.37	1.54	
29-Apr-2025	o/l	o/l	o/l	1.38	1.38	1.57	
30-Apr-2025	1.29	1.27	1.50	1.33	1.33	1.54	
Total number of measurements taken, A:		15		20			
Chlorine Standard for Monitoring Location (mg/L):		0.50		0.50			
Number of measurements meeting standard, B:		15		20			
Compliance with Chlorine Standard, C= B/A X 100%:		100%		100%			

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Branch 1 was offline for maintenance April 22 at 23:45 to April 30 at 23:30

Report Date: May 8, 2025, Revision 1



WATER TREATMENT PLANT FREE CHLORINE ON-LINE MONITORING REPORT
Deacon Booster Pumping Station

Water System Code: **252.00**
Licence Number: **PWS-09-412-02-AA**
Report Created: **01 June 2025**

Report Period: May 2025

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/05/2025	1.39	1.17	1.41	1.18
02/05/2025	1.21	1.09	1.20	1.08
03/05/2025	1.25	1.22	1.23	1.16
04/05/2025	1.27	1.16	1.23	1.10
05/05/2025	1.21	1.16	1.18	1.09
06/05/2025	1.17	1.02	1.14	1.00
07/05/2025	1.04	0.88	1.10	1.02
08/05/2025	1.18	0.73	1.23	0.92
09/05/2025	1.32	0.98	1.28	1.05
10/05/2025	1.39	1.23	1.29	1.18
11/05/2025	1.31	1.23	1.26	1.20
12/05/2025	1.38	1.33	1.35	1.28
13/05/2025	1.33	1.28	1.29	1.26
14/05/2025	1.26	1.20	1.25	1.20
15/05/2025	1.30	0.94	1.32	1.15
16/05/2025	1.29	1.11	1.34	1.21
17/05/2025	1.24	1.06	1.26	1.09
18/05/2025	1.27	1.24	1.27	1.23
19/05/2025	1.31	1.24	1.31	1.23
20/05/2025	1.38	1.15	1.36	1.31
21/05/2025	1.45	1.39	1.43	1.26
22/05/2025	1.37	1.25	1.39	1.20
23/05/2025	1.48	1.42	1.55	1.44
24/05/2025	1.46	1.20	1.50	1.21
25/05/2025	1.44	1.27	1.45	1.30
26/05/2025	1.44	1.26	1.46	1.27
27/05/2025	1.52	1.45	1.56	1.48
28/05/2025	1.53	1.47	1.56	1.51
29/05/2025	1.47	1.41	1.40	1.18
30/05/2025	1.56	1.43	1.37	1.22
31/05/2025	1.47	1.38	1.31	1.23

Total Number of Measurements, A:	21416	21416
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	21416	21416
COMPLIANCE, C = B/A X 100%:	100.00	100.00

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Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water Treatment Plant Chlorine Grab Monitoring Report May 2025

Water System Code: 252.00 Licence No. PWS-09-412-02 AA		Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
Date	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)	
	Analyser	Grab	Grab	Analyser	Grab	Grab	
01-May-2025	1.40	1.42	1.60	1.41	1.37	1.55	
02-May-2025	1.10	1.10	1.26	1.12	1.13	1.29	
03-May-2025	1.24	1.29	1.46	ns	ns	ns	
04-May-2025	ns	ns	ns	ns	ns	ns	
05-May-2025	1.20	1.23	1.32	1.17	1.22	1.39	
06-May-2025	1.19	1.24	1.41	1.15	1.20	1.44	
07-May-2025	0.97	0.96	1.15	1.04	1.06	1.26	
08-May-2025	1.16	1.14	1.34	1.24	1.26	1.50	
09-May-2025	1.16	1.18	1.39	1.26	1.32	1.55	
10-May-2025	ns	ns	ns	ns	ns	ns	
11-May-2025	ns	ns	ns	ns	ns	ns	
12-May-2025	1.35	1.41	1.59	1.30	1.38	1.59	
13-May-2025	1.34	1.36	1.57	1.31	1.35	1.61	
14-May-2025	1.23	1.28	1.49	1.23	1.24	1.47	
15-May-2025	1.32	1.36	1.56	1.27	1.28	1.51	
16-May-2025	1.26	1.30	1.51	1.28	1.30	1.54	
17-May-2025	ns	ns	ns	ns	ns	ns	
18-May-2025	ns	ns	ns	ns	ns	ns	
19-May-2025	ns	ns	ns	ns	ns	ns	
20-May-2025	1.36	1.42	1.62	1.34	1.39	1.65	
21-May-2025	1.46	1.47	1.72	1.40	1.40	1.68	
22-May-2025	1.26	1.37	1.53	1.32	1.33	1.55	
23-May-2025	1.43	1.51	1.74	1.49	1.50	1.60	
24-May-2025	ns	ns	ns	ns	ns	ns	
25-May-2025	ns	ns	ns	ns	ns	ns	
26-May-2025	1.48	1.47	1.72	1.56	1.56	1.82	
27-May-2025	1.64	1.66	1.95	1.66	1.59	1.91	
28-May-2025	1.58	1.65	1.89	1.65	1.66	1.88	
29-May-2025	1.47	1.48	1.77	1.38	1.46	1.67	
30-May-2025	1.49	1.51	1.76	1.28	1.39	1.58	
31-May-2025	ns	ns	ns	ns	ns	ns	
Total number of measurements taken, A:		22		21			
Chlorine Standard for Monitoring Location (mg/L):		0.50		0.50			
Number of measurements meeting standard, B:		22		21			
Compliance with Chlorine Standard, C= B/A X 100%:		100%		100%			

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Report Date: June 6, 2025



WATER TREATMENT PLANT FREE CHLORINE ON-LINE MONITORING REPORT
Deacon Booster Pumping Station

Water System Code: **252.00**
 Licence Number: **PWS-09-412-02-AA**
 Report Created: **01 July 2025**

Report Period: June 2025

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/06/2025	1.53	1.42	1.37	1.28
02/06/2025	1.44	1.33	1.32	1.19
03/06/2025	1.38	0.96	1.78	1.29
04/06/2025	1.43	1.14	1.61	1.45
05/06/2025	1.53	1.36	1.52	1.37
06/06/2025	1.60	1.51	1.61	1.53
07/06/2025	1.50	1.45	1.55	1.51
08/06/2025	1.46	1.42	1.54	1.47
09/06/2025	1.43	1.32	1.51	1.40
10/06/2025	1.54	1.41	1.59	1.46
11/06/2025	1.64	1.51	1.64	1.49
12/06/2025	1.55	1.45	1.53	1.27
13/06/2025	1.53	1.47	1.54	1.48
14/06/2025	1.58	1.48	1.61	1.53
15/06/2025	1.55	1.48	1.56	1.48
16/06/2025	1.53	1.42	1.54	1.43
17/06/2025	1.43	1.32	1.44	1.18
18/06/2025	1.40	0.82	1.44	1.32
19/06/2025	1.39	0.84	1.36	1.13
20/06/2025	1.60	1.48	1.51	1.38
21/06/2025	1.62	1.59	1.60	1.47
22/06/2025	1.52	1.34	1.49	1.26
23/06/2025	1.39	1.33	1.34	1.26
24/06/2025	1.43	1.41	1.36	1.25
25/06/2025	1.44	1.34	1.38	1.21
26/06/2025	1.27	1.15	1.27	1.13
27/06/2025	1.25	1.17	1.26	1.17
28/06/2025	1.37	1.28	1.36	1.24
29/06/2025	1.46	1.40	1.45	1.32
30/06/2025	1.47	1.44	1.42	1.30

Total Number of Measurements, A:	20677	20674
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	20677	20674
COMPLIANCE, C = B/A X 100%:	100.00	100.00

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Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water System Code: 252.00 Licence No. PWS-09-412-02 AA		Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
Date	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)	
	Analyser	Grab	Grab	Analyser	Grab	Grab	
01-Jun-2025	ns	ns	ns	ns	ns	ns	
02-Jun-2025	1.43	1.47	1.72	1.31	1.34	1.55	
03-Jun-2025	1.84	1.91	2.15	1.67	1.79	1.96	
04-Jun-2025	1.42	1.48	1.68	1.72	1.53	1.84	
05-Jun-2025	1.64	1.56	1.82	1.59	1.64	1.84	
06-Jun-2025	1.58	1.56	1.77	1.65	1.63	1.83	
07-Jun-2025	ns	ns	ns	ns	ns	ns	
08-Jun-2025	ns	ns	ns	ns	ns	ns	
09-Jun-2025	1.35	1.40	1.61	1.43	1.46	1.69	
10-Jun-2025	1.48	1.50	1.73	1.53	1.50	1.75	
11-Jun-2025	1.68	1.69	1.95	1.63	1.77	1.98	
12-Jun-2025	1.48	1.50	1.75	1.50	1.57	1.79	
13-Jun-2025	1.57	1.61	1.87	1.58	1.64	1.85	
14-Jun-2025	ns	ns	ns	ns	ns	ns	
15-Jun-2025	ns	ns	ns	ns	ns	ns	
16-Jun-2025	1.61	1.60	1.84	1.60	1.66	1.88	
17-Jun-2025	1.46	1.52	1.75	1.46	1.56	1.77	
18-Jun-2025	1.46	1.55	1.79	1.49	1.57	1.84	
19-Jun-2025	1.34	1.39	1.61	1.47	1.52	1.73	
20-Jun-2025	1.61	1.67	1.88	1.55	1.62	1.86	
21-Jun-2025	ns	ns	ns	ns	ns	ns	
22-Jun-2025	ns	ns	ns	ns	ns	ns	
23-Jun-2025	1.34	1.34	1.58	1.37	1.43	1.63	
24-Jun-2025	1.43	1.45	1.69	1.37	1.47	1.66	
25-Jun-2025	1.46	1.47	1.72	1.41	1.48	1.66	
26-Jun-2025	1.34	1.41	1.55	1.36	1.35	1.56	
27-Jun-2025	1.25	1.38	1.56	1.36	1.41	1.59	
28-Jun-2025	ns	ns	ns	ns	ns	ns	
29-Jun-2025	ns	ns	ns	ns	ns	ns	
30-Jun-2025	1.48	1.52	1.62	1.34	1.36	1.52	
Total number of measurements taken, A:		21		21			
Chlorine Standard for Monitoring Location (mg/L):		0.50		0.50			
Number of measurements meeting standard, B:		21		21			
Compliance with Chlorine Standard, C= B/A X 100%:		100%		100%			

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance
Comments:

Report Date: July 7, 2025

WATER TREATMENT PLANT FREE CHLORINE ON-LINE MONITORING REPORT
Deacon Booster Pumping Station

Water System Code: **252.00**
Licence Number: **PWS-09-412-02-AA**
Report Created: **01 August 2025**

Report Period: July 2025

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/07/2025	1.50	1.37	1.46	1.30
02/07/2025	1.56	1.31	1.47	1.37
03/07/2025	1.52	1.39	1.41	1.19
04/07/2025	1.66	1.53	1.54	1.37
05/07/2025	1.72	1.63	1.61	1.47
06/07/2025	1.70	1.65	1.69	1.40
07/07/2025	1.69	1.58	1.70	1.57
08/07/2025	1.66	1.35	1.60	1.41
09/07/2025	1.58	1.34	1.52	1.40
10/07/2025	1.60	1.55	1.47	1.37
11/07/2025	1.67	1.56	1.51	1.30
12/07/2025	1.69	1.58	1.62	1.13
13/07/2025	1.70	1.59	1.66	1.51
14/07/2025	1.77	1.42	1.74	1.43
15/07/2025	1.62	1.58	1.60	1.22
16/07/2025	1.68	1.63	1.69	1.56
17/07/2025	1.65	1.59	1.60	1.45
18/07/2025	1.58	1.52	1.57	1.42
19/07/2025	1.62	1.53	1.59	1.45
20/07/2025	1.68	1.59	1.61	1.48
21/07/2025	1.73	1.61	1.74	1.59
22/07/2025	1.61	1.51	1.62	1.48
23/07/2025	1.70	1.64	1.73	1.61
24/07/2025	1.68	1.61	1.70	1.55
25/07/2025	1.69	1.65	1.70	1.55
26/07/2025	1.69	1.65	1.71	1.58
27/07/2025	1.71	1.65	1.74	1.59
28/07/2025	1.64	1.52	1.59	1.40
29/07/2025	1.62	1.56	1.65	1.48
30/07/2025	1.74	1.60	1.81	1.63
31/07/2025	1.65	1.58	1.72	1.58

Total Number of Measurements, A:	21604	21603
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	21604	21603
COMPLIANCE, C = B/A X 100%:	100.00	100.00

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Chlorine\2025\07-July

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water Treatment Plant Chlorine Grab Monitoring Report July 2025

Water System Code: 252.00	Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
Licence No. PWS-09-412-02 AA						
Date	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)
	Analyser	Grab	Grab	Analyser	Grab	Grab
01-Jul-2025	ns	ns	ns	ns	ns	ns
02-Jul-2025	1.57	1.55	1.78	1.47	1.46	1.69
03-Jul-2025	1.55	1.55	1.78	1.35	1.44	1.66
04-Jul-2025	1.70	1.69	1.90	1.54	1.54	1.80
05-Jul-2025	ns	ns	ns	ns	ns	ns
06-Jul-2025	ns	ns	ns	ns	ns	ns
07-Jul-2025	1.72	1.65	1.92	1.61	1.60	1.91
08-Jul-2025	1.68	1.70	1.92	1.52	1.62	1.84
09-Jul-2025	1.59	1.69	1.88	1.55	1.59	1.82
10-Jul-2025	1.64	1.62	1.86	1.53	1.49	1.77
11-Jul-2025	1.70	1.62	1.80	1.63	1.60	1.80
12-Jul-2025	ns	ns	ns	ns	ns	ns
13-Jul-2025	ns	ns	ns	ns	ns	ns
14-Jul-2025	1.99	1.96	2.40	1.92	2.00	2.50
15-Jul-2025	1.65	1.63	1.89	1.62	1.62	1.88
16-Jul-2025	1.69	1.69	1.94	1.78	1.72	1.94
17-Jul-2025	1.66	1.62	1.84	1.66	1.64	1.86
18-Jul-2025	1.54	1.58	1.78	1.59	1.58	1.79
19-Jul-2025	ns	ns	ns	ns	ns	ns
20-Jul-2025	ns	ns	ns	ns	ns	ns
21-Jul-2025	1.68	1.74	1.95	1.68	1.70	1.98
22-Jul-2025	1.54	1.49	1.78	1.55	1.58	1.79
23-Jul-2025	1.70	1.77	1.99	1.79	1.74	2.04
24-Jul-2025	1.69	1.73	1.97	1.77	1.75	1.99
25-Jul-2025	1.71	1.69	1.90	1.74	1.73	1.89
26-Jul-2025	ns	ns	ns	ns	ns	ns
27-Jul-2025	ns	ns	ns	ns	ns	ns
28-Jul-2025	1.63	1.41	1.84	1.55	1.66	1.88
29-Jul-2025	1.62	1.63	1.84	1.67	1.69	1.89
30-Jul-2025	1.72	1.69	1.88	1.71	1.71	1.94
31-Jul-2025	1.59	1.60	1.81	1.60	1.60	1.84
Total number of measurements taken, A:			22			22
Chlorine Standard for Monitoring Location (mg/L):			0.50			0.50
Number of measurements meeting standard, B:			22			22
Compliance with Chlorine Standard, C= B/A X 100%:			100%			100%

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

July 14 - elevated total chlorine readings due to spike following plant shutdown

Report Date: August 6, 2025



WATER TREATMENT PLANT FREE CHLORINE ON-LINE MONITORING REPORT
Deacon Booster Pumping Station

Water System Code: **252.00**
Licence Number: **PWS-09-412-02-AA**
Report Created: 01 September 2025

Report Period: August 2025

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/08/2025	1.63	1.55	1.66	1.55
02/08/2025	1.64	1.55	1.63	1.50
03/08/2025	1.46	0.45	1.37	0.71
04/08/2025	1.52	1.39	1.49	1.28
05/08/2025	1.63	1.54	1.75	1.59
06/08/2025	1.53	1.36	1.61	1.37
07/08/2025	1.52	1.01	1.48	1.13
08/08/2025	1.43	1.16	1.38	1.20
09/08/2025	1.45	1.21	1.53	1.36
10/08/2025	1.51	1.44	1.65	1.47
11/08/2025	1.49	1.44	1.67	1.50
12/08/2025	1.40	1.35	1.51	1.39
13/08/2025	1.41	1.33	1.56	1.45
14/08/2025	1.53	1.41	1.66	1.46
15/08/2025	1.53	1.45	1.58	1.42
16/08/2025	1.48	1.44	1.53	1.44
17/08/2025	1.49	1.47	1.57	1.47
18/08/2025	1.41	1.33	1.52	1.35
19/08/2025	1.33	1.25	1.46	1.17
20/08/2025	1.38	1.30	1.48	1.38
21/08/2025	1.50	1.33	1.61	1.33
22/08/2025	1.61	1.52	1.77	1.58
23/08/2025	1.54	1.49	1.70	1.60
24/08/2025	1.56	1.52	1.68	1.56
25/08/2025	1.59	1.31	1.65	1.53
26/08/2025	1.71	1.56	1.72	1.44
27/08/2025	1.68	1.43	1.77	1.52
28/08/2025	1.69	1.59	1.74	1.61
29/08/2025	1.69	1.63	1.66	1.51
30/08/2025	1.62	1.55	1.59	1.47
31/08/2025	1.62	1.56	1.58	1.47

Total Number of Measurements, A:	21606	21604
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	21605	21604
COMPLIANCE, C = B/A X 100%:	99.99	100.00

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Chlorine\2025\08-August

Submitted By (Print): D. Merredew

Signature: Original signed by D. Merredew



Water Treatment Plant Chlorine Grab Monitoring Report August 2025

Water System Code: 252.00 Licence No. PWS-09-412-02 AA	Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
Date	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)
	Analyser	Grab	Grab	Analyser	Grab	Grab
01-Aug-2025	1.65	1.64	1.84	1.66	1.67	1.90
02-Aug-2025	ns	ns	ns	ns	ns	ns
03-Aug-2025	ns	ns	ns	ns	ns	ns
04-Aug-2025	ns	ns	ns	ns	ns	ns
05-Aug-2025	1.61	1.63	1.82	1.70	1.75	1.97
06-Aug-2025	1.58	1.59	1.78	1.79	1.69	1.92
07-Aug-2025	1.63	1.66	1.82	1.81	1.81	2.04
08-Aug-2025	1.35	1.42	1.65	1.35	1.43	1.62
09-Aug-2025	ns	ns	ns	ns	ns	ns
10-Aug-2025	ns	ns	ns	ns	ns	ns
11-Aug-2025	1.52	1.56	1.75	1.68	1.60	1.80
12-Aug-2025	1.42	1.43	1.60	1.54	1.49	1.74
13-Aug-2025	1.38	1.34	1.60	1.58	1.49	1.71
14-Aug-2025	1.44	1.42	1.63	1.48	1.55	1.75
15-Aug-2025	1.61	1.60	1.78	1.69	1.68	1.87
16-Aug-2025	ns	ns	ns	ns	ns	ns
17-Aug-2025	ns	ns	ns	ns	ns	ns
18-Aug-2025	1.46	1.41	1.62	1.60	1.59	1.79
19-Aug-2025	1.36	1.34	1.52	1.43	1.43	1.64
20-Aug-2025	1.33	1.30	1.50	1.41	1.38	1.62
21-Aug-2025	1.33	1.28	1.46	1.38	1.39	1.63
22-Aug-2025	1.62	1.69	1.86	1.80	1.77	2.01
23-Aug-2025	ns	ns	ns	ns	ns	ns
24-Aug-2025	ns	ns	ns	ns	ns	ns
25-Aug-2025	1.50	1.57	1.78	1.61	1.72	1.93
26-Aug-2025	1.82	1.75	1.99	1.87	1.84	2.05
27-Aug-2025	1.66	1.61	1.92	1.64	1.72	1.98
28-Aug-2025	1.68	1.66	1.88	1.77	1.69	1.89
29-Aug-2025	1.69	1.76	1.92	1.71	1.68	1.93
30-Aug-2025	ns	ns	ns	ns	ns	ns
31-Aug-2025	ns	ns	ns	ns	ns	ns
Total number of measurements taken, A:			20			20
Chlorine Standard for Monitoring Location (mg/L):			0.50			0.50
Number of measurements meeting standard, B:			20			20
Compliance with Chlorine Standard, C= B/A X 100%:			100%			100%

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Report Date: September 5, 2025



WATER TREATMENT PLANT FREE CHLORINE ON-LINE MONITORING REPORT
Deacon Booster Pumping Station

Water System Code: **252.00**
Licence Number: **PWS-09-412-02-AA**
Report Created: 01 October 2025

Report Period: September 2025

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/09/2025	1.67	1.61	1.59	1.40
02/09/2025	1.61	1.25	1.64	1.47
03/09/2025	1.48	1.08	1.54	1.32
04/09/2025	1.46	1.10	1.49	1.34
05/09/2025	1.52	1.41	1.49	1.23
06/09/2025	1.57	1.46	1.48	1.31
07/09/2025	1.63	1.58	1.69	1.56
08/09/2025	1.65	1.52	1.70	1.28
09/09/2025	1.59	1.53	1.64	1.52
10/09/2025	1.70	1.48	1.70	1.56
11/09/2025	1.85	1.64	1.70	1.47
12/09/2025	1.56	1.48	1.42	1.28
13/09/2025	1.55	1.49	1.52	1.23
14/09/2025	1.56	1.49	1.68	1.55
15/09/2025	1.57	1.48	1.66	1.53
16/09/2025	1.47	1.39	1.50	1.36
17/09/2025	1.37	1.31	1.37	1.27
18/09/2025	1.51	1.33	1.52	1.33
19/09/2025	1.61	1.41	1.87	1.14
20/09/2025	1.64	1.58	1.64	1.48
21/09/2025	1.52	1.44	1.44	1.27
22/09/2025	1.49	1.46	1.48	1.32
23/09/2025	1.61	1.43	1.59	1.39
24/09/2025	1.71	1.00	1.72	1.31
25/09/2025	1.86	1.65	1.91	1.65
26/09/2025	1.84	1.52	1.82	1.60
27/09/2025	1.68	1.49	1.65	1.41
28/09/2025	1.61	1.49	1.56	1.41
29/09/2025	1.58	1.29	1.51	1.18
30/09/2025	1.53	1.38	1.44	1.19

Total Number of Measurements, A:	20880	20853
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	20880	20853
COMPLIANCE, C = B/A X 100%:	100.00	100.00

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Submitted By (Print): D.Merredew

Signature: Original signed by D.Merredew



Water Treatment Plant Chlorine Grab Monitoring Report
September 2025

Water System Code: 252.00	Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
Licence No. PWS-09-412-02 AA						
Date	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)
	Analyser	Grab	Grab	Analyser	Grab	Grab
01-Sep-2025	ns	ns	ns	ns	ns	ns
02-Sep-2025	1.67	1.73	1.93	1.60	1.69	1.94
03-Sep-2025	1.52	1.53	1.61	1.56	1.49	1.73
04-Sep-2025	1.41	1.41	1.56	1.44	1.44	1.62
05-Sep-2025	1.56	1.56	1.75	1.60	1.59	1.79
06-Sep-2025	ns	ns	ns	ns	ns	ns
07-Sep-2025	ns	ns	ns	ns	ns	ns
08-Sep-2025	1.74	1.88	2.01	2.06	1.94	2.15
09-Sep-2025	1.62	1.62	1.84	1.67	1.72	1.91
10-Sep-2025	1.63	1.59	1.83	1.73	1.71	1.95
11-Sep-2025	1.95	1.86	2.12	1.69	1.85	2.12
12-Sep-2025	1.54	1.48	1.73	1.46	1.49	1.73
13-Sep-2025	ns	ns	ns	ns	ns	ns
14-Sep-2025	ns	ns	ns	ns	ns	ns
15-Sep-2025	1.54	1.58	1.82	1.62	1.67	1.81
16-Sep-2025	1.46	1.51	1.75	1.45	1.49	1.71
17-Sep-2025	1.38	1.38	1.62	1.35	1.39	1.63
18-Sep-2025	1.68	1.71	1.97	1.64	1.72	1.96
19-Sep-2025	1.48	1.53	1.75	1.49	1.48	1.76
20-Sep-2025	ns	ns	ns	ns	ns	ns
21-Sep-2025	ns	ns	ns	ns	ns	ns
22-Sep-2025	1.52	1.50	1.73	1.60	1.50	1.79
23-Sep-2025	1.46	1.45	1.71	1.55	1.51	1.74
24-Sep-2025	1.71	1.71	1.95	1.68	1.70	1.97
25-Sep-2025	1.97	1.95	2.40	2.17	1.98	2.50
26-Sep-2025	1.85	1.89	2.13	1.78	1.84	2.03
27-Sep-2025	ns	ns	ns	ns	ns	ns
28-Sep-2025	ns	ns	ns	ns	ns	ns
29-Sep-2025	1.57	1.64	1.90	1.47	1.61	1.82
30-Sep-2025	ns	ns	ns	ns	ns	ns
Total number of measurements taken, A:		20		20		
Chlorine Standard for Monitoring Location (mg/L):		0.50		0.50		
Number of measurements meeting standard, B:		20		20		
Compliance with Chlorine Standard, C= B/A X 100%:		100%		100%		

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Report Date: October 7, 2025



WATER TREATMENT PLANT FREE CHLORINE ON-LINE MONITORING REPORT
Deacon Booster Pumping Station

Water System Code: **252.00**
Licence Number: **PWS-09-412-02-AA**
Report Created: 01 November 2025

Report Period: October 2025

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/10/2025	1.60	1.33	1.64	0.92
02/10/2025	1.61	1.48	1.53	1.34
03/10/2025	1.65	1.58	1.63	1.46
04/10/2025	1.60	1.55	1.55	1.37
05/10/2025	1.61	1.51	1.55	1.38
06/10/2025	1.62	1.55	1.61	1.40
07/10/2025	1.68	1.60	2.17	1.56
08/10/2025	1.65	1.59	1.62	1.42
09/10/2025	1.59	1.52	1.60	1.40
10/10/2025	1.54	1.37	1.49	1.26
11/10/2025	1.59	1.52	1.53	1.47
12/10/2025	1.65	1.61	1.56	1.52
13/10/2025	1.62	1.59	1.54	1.49
14/10/2025	1.70	1.59	1.53	1.50
15/10/2025	1.85	1.51	1.85	1.26
16/10/2025	1.71	1.44	1.74	1.07
17/10/2025	1.86	1.79	1.77	1.70
18/10/2025	1.81	1.75	1.78	1.72
19/10/2025	1.83	1.80	1.84	1.77
20/10/2025	1.90	1.84	1.93	1.89
21/10/2025	1.85	1.55	1.88	1.59
22/10/2025	1.92	1.53	1.91	1.78
23/10/2025	1.71	1.27	1.70	1.50
24/10/2025	1.51	1.49	1.53	1.48
25/10/2025	1.57	1.53	1.61	1.55
26/10/2025	1.66	1.53	1.71	1.57
27/10/2025	1.55	1.13	1.61	1.42
28/10/2025	1.51	1.28	1.59	1.52
29/10/2025	1.45	1.37	1.49	1.36
30/10/2025	1.48	1.45	1.53	1.48
31/10/2025	1.53	1.48	1.56	1.51

Total Number of Measurements, A:	21589	21488
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	21589	21488
COMPLIANCE, C = B/A X 100%:	100.00	100.00

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Submitted By (Print): D. Merredew

Signature: Original signed by D. Merredew



Water Treatment Plant Chlorine Grab Monitoring Report October 2025

Water System Code: 252.00 Licence No. PWS-09-412-02 AA	Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
Date	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)
	Analyser	Grab	Grab	Analyser	Grab	Grab
01-Oct-2025	1.45	1.45	1.67	1.93	1.65	1.87
02-Oct-2025	1.62	1.70	1.90	1.52	1.65	1.90
03-Oct-2025	1.70	1.74	2.00	1.76	1.73	1.98
04-Oct-2025	ns	ns	ns	ns	ns	ns
05-Oct-2025	ns	ns	ns	ns	ns	ns
06-Oct-2025	1.61	1.66	1.94	1.45	1.72	1.93
07-Oct-2025	1.69	1.73	1.99	1.93	1.72	2.01
08-Oct-2025	1.41	1.68	1.90	1.63	1.65	1.93
09-Oct-2025	1.61	1.60	1.90	1.59	1.63	1.92
10-Oct-2025	1.53	1.62	1.85	1.48	1.54	1.82
11-Oct-2025	ns	ns	ns	ns	ns	ns
12-Oct-2025	ns	ns	ns	ns	ns	ns
13-Oct-2025	ns	ns	ns	ns	ns	ns
14-Oct-2025	1.74	1.68	1.90	1.53	1.69	1.91
15-Oct-2025	1.72	1.72	2.01	1.61	1.83	2.02
16-Oct-2025	1.81	1.64	1.89	1.45	1.53	1.76
17-Oct-2025	1.92	1.80	2.08	1.76	1.83	1.83
18-Oct-2025	ns	ns	ns	ns	ns	ns
19-Oct-2025	ns	ns	ns	ns	ns	ns
20-Oct-2025	1.92	1.85	2.17	1.93	1.92	2.40
21-Oct-2025	1.62	1.67	1.95	1.86	1.83	2.11
22-Oct-2025	1.97	1.96	2.28	1.94	1.97	2.30
23-Oct-2025	1.89	1.85	2.18	1.86	1.84	2.18
24-Oct-2025	1.51	1.51	1.79	1.52	1.51	1.82
25-Oct-2025	ns	ns	ns	ns	ns	ns
26-Oct-2025	ns	ns	ns	ns	ns	ns
27-Oct-2025	1.42	1.35	1.67	1.46	1.43	1.68
28-Oct-2025	1.29	1.30	1.60	1.58	1.56	1.67
29-Oct-2025	1.45	1.44	1.69	1.50	1.48	1.72
30-Oct-2025	1.47	1.44	1.69	1.50	1.44	1.75
31-Oct-2025	1.57	1.57	1.80	1.55	1.55	1.80
Total number of measurements taken, A:			22			22
Chlorine Standard for Monitoring Location (mg/L):			0.50			0.50
Number of measurements meeting standard, B:			22			22
Compliance with Chlorine Standard, C= B/A X 100%:			100%			100%

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Report Date: November 7, 2025



WATER TREATMENT PLANT FREE CHLORINE ON-LINE MONITORING REPORT
Deacon Booster Pumping Station

Water System Code: **252.00**
Licence Number: **PWS-09-412-02-AA**
Report Created: 01 December 2025

Report Period: November 2025

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/11/2025	1.56	1.52	1.56	1.49
02/11/2025	1.55	1.53	1.53	1.50
03/11/2025	1.57	1.47	1.50	1.43
04/11/2025	1.59	1.59	1.54	1.42
05/11/2025	1.59	1.59	1.58	1.55
06/11/2025	1.62	1.59	1.61	1.54
07/11/2025	1.61	1.50	1.61	1.43
08/11/2025	1.60	1.53	1.57	1.45
09/11/2025	1.54	1.46	1.53	1.43
10/11/2025	1.46	1.39	1.46	1.28
11/11/2025	1.41	1.40	1.37	1.29
12/11/2025	1.39	1.34	1.39	1.31
13/11/2025	1.35	1.31	1.36	1.31
14/11/2025	1.35	1.31	1.40	1.30
15/11/2025	1.31	1.26	1.38	1.22
16/11/2025	1.30	1.25	1.34	1.25
17/11/2025	1.29	1.24	1.33	1.23
18/11/2025	1.32	1.29	1.40	1.24
19/11/2025	1.41	1.31	1.47	1.40
20/11/2025	1.41	1.14	1.55	1.31
21/11/2025	1.30	1.20	1.38	1.27
22/11/2025	1.36	1.31	1.30	1.23
23/11/2025	1.39	1.37	1.35	1.30
24/11/2025	1.38	1.37	1.39	1.35
25/11/2025	1.37	1.33	1.36	1.31
26/11/2025	1.36	1.34	1.34	1.31
27/11/2025	1.36	1.34	1.34	1.31
28/11/2025	1.44	1.41	1.40	1.36
29/11/2025	1.42	1.31	1.40	1.36
30/11/2025	1.46	1.34	1.41	1.32

Total Number of Measurements, A:	20921	20901
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	20921	20901
COMPLIANCE, C = B/A X 100%:	100.00	100.00

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Chlorine\2025\11-November

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water Treatment Plant Chlorine Grab Monitoring Report November 2025

Water System Code: 252.00 Licence No. PWS-09-412-02 AA	Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
Date	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)
	Analyser	Grab	Grab	Analyser	Grab	Grab
01-Nov-2025	ns	ns	ns	ns	ns	ns
02-Nov-2025	ns	ns	ns	ns	ns	ns
03-Nov-2025	1.60	1.62	1.93	1.52	1.56	1.86
04-Nov-2025	1.51	1.46	1.77	1.60	1.68	1.89
05-Nov-2025	1.48	1.47	1.75	1.60	1.59	1.84
06-Nov-2025	1.47	1.47	1.77	1.57	1.53	1.78
07-Nov-2025	1.63	1.60	1.87	1.60	1.57	1.84
08-Nov-2025	ns	ns	ns	ns	ns	ns
09-Nov-2025	ns	ns	ns	ns	ns	ns
10-Nov-2025	1.49	1.54	1.77	1.48	1.51	1.79
11-Nov-2025	ns	ns	ns	ns	ns	ns
12-Nov-2025	1.42	1.45	1.75	1.45	1.40	1.60
13-Nov-2025	1.31	1.31	1.61	1.34	1.36	1.65
14-Nov-2025	1.32	1.44	1.62	1.43	1.39	1.63
15-Nov-2025	ns	ns	ns	ns	ns	ns
16-Nov-2025	ns	ns	ns	ns	ns	ns
17-Nov-2025	1.29	1.37	1.60	1.33	1.35	1.56
18-Nov-2025	1.30	1.31	1.60	1.37	1.39	1.56
19-Nov-2025	1.42	1.38	1.64	1.43	1.43	1.66
20-Nov-2025	1.45	1.47	1.67	1.50	1.49	1.74
21-Nov-2025	1.36	1.34	1.57	1.44	1.42	1.68
22-Nov-2025	ns	ns	ns	ns	ns	ns
23-Nov-2025	ns	ns	ns	ns	ns	ns
24-Nov-2025	1.37	1.36	1.55	1.36	1.38	1.55
25-Nov-2025	1.38	1.36	1.59	1.36	1.35	1.61
26-Nov-2025	1.37	1.34	1.59	1.34	1.34	1.59
27-Nov-2025	1.34	1.29	1.53	1.32	1.30	1.52
28-Nov-2025	1.44	1.40	1.62	1.41	1.43	1.65
29-Nov-2025	ns	ns	ns	ns	ns	ns
30-Nov-2025	ns	ns	ns	ns	ns	ns
Total number of measurements taken, A:			19			19
Chlorine Standard for Monitoring Location (mg/L):			0.50			0.50
Number of measurements meeting standard, B:			19			19
Compliance with Chlorine Standard, C= B/A X 100%:			100%			100%

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Report Date: December 5, 2025

WATER TREATMENT PLANT FREE CHLORINE ON-LINE MONITORING REPORT
Deacon Booster Pumping Station

Water System Code: **252.00**
Licence Number: **PWS-09-412-03**
Report Created: 01 January 2026

Report Period: December 2025

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/12/2025	1.29	1.26	1.30	1.26
02/12/2025	1.25	1.23	1.27	1.24
03/12/2025	1.23	1.20	1.24	1.19
04/12/2025	1.18	1.15	1.18	1.15
05/12/2025	1.28	1.13	1.26	1.13
06/12/2025	1.33	1.27	1.34	1.22
07/12/2025	1.34	1.25	1.37	1.28
08/12/2025	1.30	1.28	1.31	1.20
09/12/2025	1.30	1.27	1.28	1.24
10/12/2025	1.29	1.26	1.26	1.20
11/12/2025	1.25	1.19	1.26	1.20
12/12/2025	1.19	1.15	1.24	1.18
13/12/2025	1.33	1.28	1.35	1.28
14/12/2025	1.31	1.26	1.35	1.30
15/12/2025	1.26	1.13	1.34	1.25
16/12/2025	1.44	1.41	1.34	1.14
17/12/2025	OL	OL	1.19	1.14
18/12/2025	OL	OL	1.14	1.09
19/12/2025	1.33	1.22	1.16	1.06
20/12/2025	1.29	1.24	1.22	1.19
21/12/2025	1.35	1.31	1.32	1.26
22/12/2025	1.37	1.31	1.39	1.35
23/12/2025	1.35	1.31	1.38	1.35
24/12/2025	1.26	1.20	1.29	1.24
25/12/2025	1.29	1.24	1.33	1.28
26/12/2025	1.29	1.26	1.34	1.32
27/12/2025	1.32	1.29	1.37	1.33
28/12/2025	1.32	1.30	1.37	1.34
29/12/2025	1.24	1.15	1.30	1.21
30/12/2025	1.12	1.07	1.19	1.14
31/12/2025	1.06	1.04	1.12	0.99

Total Number of Measurements, A:	21545	21555
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	21545	21555
COMPLIANCE, C = B/A X 100%:	100.00	100.00

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Chlorine\2025\12-December

Submitted By (Print): D. Merredew

Signature: Original signed by D. Merredew



Water Treatment Plant Chlorine Grab Monitoring Report December 2025

Water System Code: 252.00 Licence No. PWS-09-412-03	Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
Date	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)
	Analyser	Grab	Grab	Analyser	Grab	Grab
01-Dec-2025	1.32	1.29	1.48	1.31	1.30	1.48
02-Dec-2025	1.24	1.21	1.46	1.24	1.22	1.46
03-Dec-2025	1.24	1.22	1.47	1.24	1.23	1.45
04-Dec-2025	1.46	1.46	1.76	1.50	1.57	1.76
05-Dec-2025	1.15	1.16	1.46	1.16	1.17	1.40
06-Dec-2025	ns	ns	ns	ns	ns	ns
07-Dec-2025	ns	ns	ns	ns	ns	ns
08-Dec-2025	1.31	1.35	1.59	1.35	1.41	1.60
09-Dec-2025	1.29	1.40	1.60	1.28	1.32	1.57
10-Dec-2025	1.30	1.37	1.61	1.16	1.34	1.56
11-Dec-2025	1.27	1.31	1.54	1.22	1.32	1.49
12-Dec-2025	1.17	1.17	1.40	1.22	1.20	1.46
13-Dec-2025	ns	ns	ns	ns	ns	ns
14-Dec-2025	ns	ns	ns	ns	ns	ns
15-Dec-2025	1.14	1.24	1.47	1.33	1.33	1.55
16-Dec-2025	1.42	1.45	1.78	1.49	1.58	1.80
17-Dec-2025	o/l	o/l	o/l	1.19	1.18	1.45
18-Dec-2025	o/l	o/l	o/l	1.19	1.26	1.44
19-Dec-2025	1.20	1.16	1.47	1.11	1.20	1.47
20-Dec-2025	ns	ns	ns	ns	ns	ns
21-Dec-2025	ns	ns	ns	ns	ns	ns
22-Dec-2025	1.32	1.46	1.70	1.37	1.49	1.67
23-Dec-2025	1.36	1.36	1.63	1.38	1.42	1.67
24-Dec-2025	1.26	1.26	1.54	1.29	1.27	1.54
25-Dec-2025	ns	ns	ns	ns	ns	ns
26-Dec-2025	ns	ns	ns	ns	ns	ns
27-Dec-2025	ns	ns	ns	ns	ns	ns
28-Dec-2025	ns	ns	ns	ns	ns	ns
29-Dec-2025	1.23	1.24	1.50	1.31	1.30	1.55
30-Dec-2025	1.11	1.15	1.38	1.19	1.16	1.37
31-Dec-2025	1.07	1.07	1.31	1.00	0.99	1.25
Total number of measurements taken, A:			19			21
Chlorine Standard for Monitoring Location (mg/L):			0.50			0.50
Number of measurements meeting standard, B:			19			21
Compliance with Chlorine Standard, C= B/A X 100%:			100%			100%

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Branch 1 was offline from 06:59 on December 16 to 16:51 on December 19 for scheduled maintenance.

Report Date:

January 7, 2026

2025 MONTHLY TURBIDITY REPORTS



CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT

January 2025 Turbidity (NTU)

Date	Raw	Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
	Avg	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/01/2025	0.79	0.09	0.16	0.06	0.10	0.07	0.14	0.04	0.09	0.06	0.08	0.02	0.06	0.03	0.05	0.03	0.06
2/01/2025	0.80	0.09	0.14	0.06	0.09	0.07	0.15	0.05	0.09	0.06	0.11	0.02	0.08	0.03	0.05	0.04	0.07
3/01/2025	0.80	0.11	0.15	0.05	0.10	0.06	0.13	0.05	0.09	0.07	0.13	0.01	0.04	0.02	0.05	0.04	0.11
4/01/2025	0.79	0.10	0.16	0.06	0.08	0.06	0.14	0.05	0.09	0.08	0.11	0.02	0.05	0.02	0.04	0.04	0.08
5/01/2025	0.81	0.10	0.18	0.05	0.09	0.07	0.11	0.04	0.09	0.08	0.12	0.01	0.05	0.02	0.04	0.05	0.06
6/01/2025	0.81	0.11	0.16	0.06	0.10	0.07	0.15	0.04	0.09	0.09	0.11	0.01	0.04	0.02	0.03	0.04	0.08
7/01/2025	0.77	0.11	0.13	0.05	0.09	0.08	0.16	0.05	0.09	0.07	0.11	0.01	0.04	0.02	0.05	0.04	0.07
8/01/2025	0.77	0.10	0.15	0.05	0.08	0.10	0.38	0.05	0.12	0.06	0.10	0.01	0.05	0.02	0.05	0.04	0.08
9/01/2025	0.83	0.11	0.18	0.07	0.12	0.14	0.37	0.06	0.10	0.07	0.12	0.02	0.11	0.02	0.05	0.05	0.06
10/01/2025	0.83	0.10	0.16	0.07	0.11	0.12	0.23	0.06	0.10	0.08	0.11	0.01	0.05	0.02	0.03	0.04	0.07
11/01/2025	0.82	0.11	0.16	0.06	0.11	0.11	0.20	0.05	0.10	0.06	0.10	0.01	0.06	0.02	0.04	0.04	0.07
12/01/2025	0.82	0.11	0.16	0.06	0.11	0.09	0.16	0.06	0.09	0.08	0.10	0.01	0.05	0.02	0.04	0.04	0.07
13/01/2025	0.82	0.12	0.16	0.06	0.08	0.08	0.17	0.05	0.11	0.07	0.10	0.01	0.06	0.02	0.04	0.04	0.08
14/01/2025	0.82	0.11	0.17	0.07	0.11	0.11	0.29	0.05	0.10	0.07	0.11	0.01	0.04	0.02	0.04	0.05	0.06
15/01/2025	0.83	0.10	0.20	0.07	0.30	0.08	0.36	0.05	0.20	0.06	0.12	0.01	0.05	0.02	0.05	0.04	0.18
16/01/2025	0.85	0.10	0.15	0.06	0.09	0.12	0.37	0.05	0.11	0.06	0.10	0.01	0.07	0.02	0.04	0.04	0.07
17/01/2025	0.85	0.14	0.21	0.08	0.18	0.16	0.43	0.09	0.20	0.07	0.11	0.01	0.08	0.02	0.06	0.04	0.08
18/01/2025	0.83	0.16	0.24	0.11	0.16	0.14	0.27	0.09	0.18	0.09	0.17	0.02	0.04	0.02	0.05	0.04	0.09
19/01/2025	0.81	0.09	0.32	0.10	0.16	0.13	0.23	0.09	0.18	0.09	0.14	0.02	0.05	0.02	0.06	0.05	0.08
20/01/2025	0.82	0.07	0.16	0.14	0.22	0.22	1.08	0.12	0.24	0.13	0.17	0.03	0.06	0.02	0.04	0.07	0.10
21/01/2025	0.82	0.07	0.17	0.14	0.26	OL	OL	0.14	0.26	0.10	0.18	0.03	0.08	0.04	0.07	0.06	0.11
22/01/2025	0.83	0.11	0.25	0.08	0.15	OL	OL	0.17	0.25	0.08	0.16	0.02	0.06	0.03	0.11	0.06	0.10
23/01/2025	0.82	0.14	0.24	0.03	0.12	OL	OL	0.16	0.26	0.09	0.18	0.03	0.07	0.03	0.11	0.05	0.08
24/01/2025	0.83	0.06	0.15	0.00	0.03	OL	OL	0.08	0.15	0.07	0.10	0.03	0.05	0.02	0.05	0.04	0.07
25/01/2025	0.83	0.08	0.12	0.04	0.16	OL	OL	0.09	0.15	0.06	0.10	0.02	0.06	0.02	0.05	0.04	0.08
26/01/2025	0.84	0.08	0.14	0.11	0.15	OL	OL	0.09	0.15	0.07	0.11	0.02	0.05	0.02	0.05	0.04	0.08
27/01/2025	0.86	0.09	0.15	0.11	0.18	OL	OL	0.09	0.18	0.07	0.13	0.03	0.05	0.03	0.07	0.05	0.07
28/01/2025	0.84	0.09	0.20	0.10	0.19	OL	OL	0.11	0.19	0.07	0.11	0.02	0.05	0.02	0.06	0.04	0.08
29/01/2025	0.83	0.07	0.14	0.09	0.17	OL	OL	0.09	0.15	0.07	0.11	0.02	0.12	0.02	0.04	0.04	0.08
30/01/2025	0.82	0.05	0.12	0.08	0.26	OL	OL	0.08	0.12	0.06	0.09	0.02	0.06	0.03	0.05	0.04	0.08
31/01/2025	0.81	0.06	0.13	0.09	0.15	OL	OL	0.09	0.14	0.07	0.11	0.02	0.06	0.03	0.05	0.05	0.11

Total Number of Measurements Taken, A:	15748	13805	11019	16053	16322	16460	15576	15241
Turbidity Standard for Monitoring Location (NTU):	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Number of Measurements Meeting Standard, B:	15746	13805	10995	16053	16322	16460	15576	15241
Compliance with Turbidity Standard, C = B/A X 100%:	99.987%	100.000%	99.782%	100.000%	100.000%	100.000%	100.000%	100.000%

OL = Offline

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2025\01-January

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water Treatment Plant Turbidity Grab Monitoring Report January 2025

Water System Code: 252.00		Turbidity (NTU)																	
Licence No. PWS-09-412-02 AA																			
Date	Raw Water		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8		
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	
01-Jan-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
02-Jan-2025	0.68	0.68	0.11	0.11	0.10	0.07	0.14	0.09	0.11	0.06	0.10	0.07	0.10	0.02	0.09	0.03	0.10	0.06	
03-Jan-2025	0.70	0.68	0.11	0.13	0.10	0.07	0.13	0.07	0.11	0.06	0.10	0.10	0.09	0.03	0.10	0.03	0.08	0.05	
04-Jan-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
05-Jan-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
06-Jan-2025	0.70	0.68	0.11	0.12	0.13	0.08	0.19	0.13	0.11	0.06	0.09	0.11	0.10	0.02	0.09	0.02	0.09	0.06	
07-Jan-2025	0.63	0.67	0.09	0.11	0.08	0.07	0.13	0.07	0.09	0.05	0.08	0.09	0.08	0.02	0.08	0.02	0.10	0.07	
08-Jan-2025	0.62	0.65	0.10	0.12	0.09	0.07	0.20	0.17	0.11	0.07	0.07	0.07	0.08	<0.02	0.09	0.02	0.08	0.06	
09-Jan-2025	0.67	0.69	0.15	0.16	0.11	0.09	0.21	0.16	0.10	0.06	0.08	0.11	0.09	0.04	0.08	<0.02	0.09	0.06	
10-Jan-2025	0.76	0.67	0.11	0.13	0.12	0.09	0.22	0.16	0.12	0.07	0.10	0.09	0.09	0.03	0.08	<0.02	0.15	0.06	
11-Jan-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
12-Jan-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
13-Jan-2025	0.63	0.67	0.12	0.14	0.10	0.07	0.16	0.10	0.10	0.06	0.08	0.09	0.08	0.02	0.10	0.03	0.08	0.06	
14-Jan-2025	0.65	0.65	0.13	0.14	0.10	0.09	0.21	0.15	0.15	0.09	0.10	0.09	0.08	0.02	0.07	<0.02	0.07	0.05	
15-Jan-2025	0.62	0.64	0.12	0.13	0.25	0.17	0.19	0.13	0.12	0.07	0.09	0.09	0.08	<0.02	0.08	<0.02	0.09	0.06	
16-Jan-2025	0.64	0.68	0.11	0.11	0.10	0.06	0.16	0.11	0.11	0.07	0.09	0.08	0.08	0.02	0.09	0.02	0.07	0.05	
17-Jan-2025	0.70	0.67	0.23	0.21	0.20	0.15	nr	0.32	0.27	0.20	0.09	0.08	0.09	0.03	0.10	0.03	0.08	0.05	
18-Jan-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
19-Jan-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
20-Jan-2025	0.66	0.66	0.27	0.14	0.21	0.15	0.36	0.24	0.19	0.12	0.12	0.14	0.10	0.03	0.09	0.02	0.10	0.07	
21-Jan-2025	0.75	0.74	0.22	0.07	0.20	0.16	o/l	o/l	0.22	0.13	0.13	0.12	0.11	0.03	0.11	0.02	0.14	0.11	
22-Jan-2025	0.85	0.74	0.20	0.07	0.19	0.13	o/l	o/l	0.22	0.19	0.12	0.10	0.09	0.02	0.09	0.03	0.12	0.09	
23-Jan-2025	0.72	0.67	0.22	0.15	0.20	0.03	o/l	o/l	0.24	0.18	0.13	0.12	0.08	0.04	0.08	0.02	0.29	0.23	
24-Jan-2025	0.66	0.69	0.12	0.07	0.10	<0.02	o/l	o/l	0.14	0.10	0.26	0.25	0.09	0.03	0.10	0.03	0.08	0.05	
25-Jan-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
26-Jan-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
27-Jan-2025	0.51	0.88	0.16	0.11	0.14	0.11	o/l	o/l	0.12	0.10	0.09	0.08	0.10	0.05	0.07	0.02	0.08	0.05	
28-Jan-2025	0.64	0.67	0.18	0.12	0.19	0.16	o/l	o/l	0.15	0.11	0.11	0.09	0.08	0.02	0.08	0.02	0.09	0.06	
29-Jan-2025	0.56	0.69	0.13	0.08	0.16	0.14	o/l	o/l	0.13	0.11	0.10	0.09	0.08	0.03	0.09	0.02	0.09	0.07	
30-Jan-2025	0.63	0.67	0.11	0.06	0.11	0.09	o/l	o/l	0.12	0.09	0.09	0.08	0.07	0.03	0.08	0.02	0.11	0.08	
31-Jan-2025	0.61	0.68	0.12	0.08	0.11	0.10	o/l	o/l	0.13	0.10	0.10	0.09	0.08	0.02	0.10	0.02	0.11	0.09	
Total number of measurements taken, A:																			
Turbidity Standard for Monitoring Location (NTU):																			
Number of measurements meeting standard, B:																			
Compliance with Turbidity Standard, C= B/A X 100%:																			

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

January 17, Filter 3 no result due to lab error.

Report Date: February 7, 2025



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT

February 2025 Turbidity (NTU)

Date	Raw	Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
	Avg	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/02/2025	0.78	0.06	0.12	0.08	0.14	OL	OL	0.08	0.14	0.06	0.09	0.03	0.06	0.03	0.06	0.06	0.11
2/02/2025	0.79	0.07	0.10	0.08	0.16	OL	OL	0.08	0.13	0.06	0.09	0.02	0.05	0.02	0.05	0.06	0.11
3/02/2025	0.81	0.07	0.14	0.10	0.15	OL	OL	0.09	0.15	0.07	0.11	0.03	0.05	0.03	0.06	0.07	0.13
4/02/2025	0.82	0.08	0.15	0.11	0.17	OL	OL	0.09	0.17	0.08	0.22	0.03	0.05	0.03	0.06	0.08	0.11
5/02/2025	0.82	0.07	0.16	0.10	0.18	OL	OL	0.10	0.16	0.07	0.10	0.02	0.05	0.03	0.06	0.08	0.13
6/02/2025	0.82	0.08	0.17	0.10	0.19	OL	OL	0.10	0.19	0.07	0.14	0.02	0.05	0.03	0.05	0.09	0.14
7/02/2025	0.83	0.09	0.16	0.10	0.18	OL	OL	0.11	0.16	0.07	0.11	0.03	0.06	0.03	0.05	0.10	0.15
8/02/2025	0.81	0.09	0.18	0.11	0.19	OL	OL	0.11	0.17	0.07	0.12	0.02	0.04	0.03	0.06	0.10	0.15
9/02/2025	0.81	0.09	0.13	0.11	0.19	OL	OL	0.11	0.19	0.07	0.12	0.03	0.06	0.03	0.07	0.11	0.17
10/02/2025	0.83	0.11	0.19	0.11	0.16	OL	OL	0.12	0.21	0.07	0.13	0.03	0.06	0.03	0.07	0.11	0.17
11/02/2025	0.85	0.08	0.20	0.11	0.22	OL	OL	0.09	0.18	0.08	0.13	0.04	0.06	0.04	0.11	0.12	0.15
12/02/2025	0.82	0.06	0.11	0.08	0.13	OL	OL	0.07	0.13	0.08	0.11	0.05	0.10	0.05	0.11	0.15	0.22
13/02/2025	0.80	0.06	0.12	0.08	0.15	OL	OL	0.08	0.14	0.10	0.15	0.05	0.09	0.05	0.12	0.06	0.22
14/02/2025	0.79	0.06	0.12	0.08	0.15	OL	OL	0.07	0.13	0.09	0.14	0.05	0.10	0.06	0.10	0.02	0.09
15/02/2025	0.82	0.06	0.13	0.08	0.14	OL	OL	0.09	0.13	0.08	0.14	0.05	0.11	0.05	0.11	0.02	0.09
16/02/2025	0.80	0.06	0.10	0.08	0.14	OL	OL	0.08	0.14	0.08	0.14	0.05	0.09	0.05	0.11	0.02	0.10
17/02/2025	0.78	0.08	0.15	0.09	0.18	OL	OL	0.08	0.18	0.10	0.16	0.06	0.17	0.06	0.12	0.03	0.09
18/02/2025	0.77	0.08	0.17	0.11	0.18	OL	OL	0.10	0.17	0.11	0.17	0.07	0.15	0.07	0.14	0.04	0.12
19/02/2025	0.78	0.08	0.17	0.11	0.17	OL	OL	0.11	0.19	0.11	0.19	0.07	0.16	0.08	0.17	0.05	0.09
20/02/2025	0.77	0.08	0.18	0.10	0.19	OL	OL	0.12	0.23	0.10	0.17	0.07	0.16	0.08	0.14	0.06	0.14
21/02/2025	0.75	0.06	0.13	0.06	0.13	OL	OL	0.12	0.21	0.07	0.12	0.05	0.11	0.06	0.14	0.03	0.10
22/02/2025	0.74	0.06	0.12	0.06	0.13	OL	OL	0.12	0.20	0.06	0.11	0.05	0.12	0.07	0.13	0.03	0.10
23/02/2025	0.74	0.07	0.15	0.07	0.14	OL	OL	0.15	0.20	0.07	0.13	0.05	0.08	0.07	0.14	0.04	0.11
24/02/2025	0.75	0.13	0.42	0.13	0.26	OL	OL	0.08	0.31	0.07	0.20	0.05	0.13	0.05	0.23	0.02	0.09
25/02/2025	0.74	0.00	0.00	0.02	0.09	OL	OL	0.03	0.06	0.02	0.05	0.01	0.04	0.03	0.06	0.00	0.01
26/02/2025	0.74	0.00	0.03	0.02	0.06	OL	OL	0.02	0.06	0.01	0.04	0.00	0.03	0.02	0.06	0.00	0.00
27/02/2025	0.74	0.00	0.02	0.02	0.06	OL	OL	0.03	0.05	0.01	0.03	0.00	0.03	0.02	0.05	0.00	0.00
28/02/2025	0.75	0.01	0.19	0.03	0.16	OL	OL	0.02	0.05	0.01	0.05	0.00	0.03	0.02	0.05	0.00	0.00

Total Number of Measurements Taken, A:	11806	12749	OL	13959	14359	14176	13902	11484
Turbidity Standard for Monitoring Location (NTU):	0.3	0.3	OL	0.3	0.3	0.3	0.3	0.3
Number of Measurements Meeting Standard, B:	11798	12749	OL	13958	14359	14176	13902	11484
Compliance with Turbidity Standard, C = B/A X 100%:	99.932%	100.000%	OL	99.993%	100.000%	100.000%	100.000%	100.000%
OL = offline								

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2025\02-February

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water Treatment Plant Turbidity Grab Monitoring Report February 2025

Water System Code: 252.00		Turbidity (NTU)																	
Licence No. PWS-09-412-02 AA																			
Date	Raw Water		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8		
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	
01-Feb-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
02-Feb-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
03-Feb-2025	0.64	4.01	0.15	0.09	0.13	0.11	o/l	o/l	0.17	0.12	0.10	0.09	0.11	0.05	0.08	0.02	0.09	0.08	
04-Feb-2025	0.65	0.70	0.19	0.12	0.15	0.12	o/l	o/l	0.14	0.10	0.10	0.09	0.11	0.05	0.09	0.02	0.10	0.10	
05-Feb-2025	0.74	0.70	0.17	0.11	0.20	0.16	o/l	o/l	0.16	0.11	0.12	0.10	0.09	0.03	0.10	0.02	0.10	0.11	
06-Feb-2025	0.68	0.71	0.14	0.08	0.22	0.17	o/l	o/l	0.14	0.11	0.11	0.10	0.09	0.03	0.09	0.02	0.09	0.13	
07-Feb-2025	0.74	0.73	0.15	0.08	0.15	0.11	o/l	o/l	0.16	0.12	0.11	0.09	0.09	0.03	0.09	0.03	0.09	0.13	
08-Feb-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
09-Feb-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
10-Feb-2025	0.71	0.76	0.18	0.12	0.16	0.13	o/l	o/l	0.24	0.20	0.10	0.09	0.10	0.04	0.08	0.02	0.10	0.13	
11-Feb-2025	0.61	0.71	0.18	0.15	0.16	0.14	o/l	o/l	0.14	0.11	0.08	0.09	0.11	0.06	0.08	0.02	0.08	0.14	
12-Feb-2025	0.63	0.70	0.14	0.09	0.12	0.10	o/l	o/l	0.11	0.09	0.10	0.10	0.16	0.10	0.10	0.05	0.12	0.16	
13-Feb-2025	0.68	0.67	0.15	0.09	0.16	0.13	o/l	o/l	0.12	0.08	0.12	0.12	0.11	0.06	0.12	0.05	0.14	0.18	
14-Feb-2025	0.63	0.68	0.10	0.06	0.10	0.09	o/l	o/l	0.11	0.09	0.12	0.11	0.12	0.06	0.12	0.05	0.17	0.08	
15-Feb-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
16-Feb-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
17-Feb-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
18-Feb-2025	0.63	0.61	0.14	0.09	0.13	0.11	o/l	o/l	0.16	0.13	0.12	0.12	0.17	0.10	0.13	0.06	0.14	0.04	
19-Feb-2025	0.66	0.74	0.22	0.14	0.16	0.13	o/l	o/l	0.15	0.12	0.15	0.13	0.25	0.16	0.16	0.08	0.18	0.08	
20-Feb-2025	0.58	0.69	0.19	0.14	0.16	0.14	o/l	o/l	0.16	0.13	0.15	0.14	0.22	0.14	0.16	0.09	0.18	0.08	
21-Feb-2025	0.56	0.58	0.15	0.09	0.16	0.10	o/l	o/l	0.14	0.13	0.13	0.08	0.13	0.06	0.13	0.06	0.15	0.05	
22-Feb-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
23-Feb-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
24-Feb-2025	0.51	0.56	0.20	0.13	0.22	0.14	o/l	o/l	0.27	0.23	0.18	0.11	0.16	0.07	0.20	0.12	0.15	0.05	
25-Feb-2025	0.49	0.73	0.09	<0.02	0.09	0.03	o/l	o/l	0.09	0.03	0.08	0.02	0.10	0.02	0.09	0.03	0.08	<0.02	
26-Feb-2025	0.50	0.54	0.09	<0.02	0.08	0.03	o/l	o/l	0.08	0.02	0.07	0.02	0.09	<0.02	0.09	0.03	0.07	<0.02	
27-Feb-2025	0.54	0.55	0.10	<0.02	0.08	0.03	o/l	o/l	0.08	0.03	0.07	0.03	0.10	0.03	0.07	<0.02	0.08	<0.02	
28-Feb-2025	0.53	0.55	0.10	<0.02	0.09	0.03	o/l	o/l	0.08	0.04	0.07	0.02	0.07	<0.02	0.07	<0.02	0.08	<0.02	
Total number of measurements taken, A:			19		19		0		19		19		19		19		19		
Turbidity Standard for Monitoring Location (NTU):			0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30		
Number of measurements meeting standard, B:			19		19		0		19		19		19		19		19		
Compliance with Turbidity Standard, C= B/A X 100%:			100%		100%		*		100%		100%		100%		100%		100%		

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

February 3: raw water analyzer trend shows the high turbidity was a brief instantaneous spike, likely caused by debris in the sample line.

Report Date: March 7, 2025



CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
WATER SERVICES

Water System Code: **252.00**
 Licence Number: **PWS-09-412-02-AA**

WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT

March 2025 Turbidity (NTU)																	
Date	Raw	Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
	Avg	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/03/2025	0.74	0.00	0.12	0.03	0.11	OL	OL	0.02	0.05	0.02	0.06	0.01	0.03	0.02	0.05	0.00	0.01
2/03/2025	0.74	0.00	0.11	0.02	0.07	OL	OL	0.02	0.05	0.01	0.04	0.00	0.01	0.02	0.04	0.00	0.00
3/03/2025	0.74	0.00	0.13	0.02	0.05	OL	OL	0.02	0.05	0.01	0.04	0.01	0.03	0.02	0.05	0.05	0.04
4/03/2025	0.74	0.01	0.27	0.02	0.13	OL	OL	0.03	0.06	0.01	0.05	0.00	0.03	0.02	0.05	0.05	0.00
5/03/2025	0.68	0.06	1.72	0.02	0.18	OL	OL	0.02	0.16	0.01	0.12	0.01	0.21	0.01	0.32	0.02	0.14
6/03/2025	0.57	0.07	0.30	0.04	0.21	OL	OL	0.02	0.15	0.01	0.04	0.01	0.06	0.02	0.06	0.02	0.05
7/03/2025	0.59	0.05	0.09	0.02	0.04	OL	OL	0.01	0.06	0.02	0.04	0.03	0.06	0.03	0.05	0.02	0.05
8/03/2025	0.60	0.05	0.09	0.02	0.03	OL	OL	0.01	0.03	0.01	0.03	0.03	0.06	0.03	0.05	0.02	0.04
9/03/2025	0.60	0.05	0.08	0.01	0.04	OL	OL	0.01	0.03	0.01	0.03	0.04	0.05	0.03	0.05	0.02	0.04
10/03/2025	0.60	0.05	0.09	0.02	0.03	OL	OL	0.00	0.03	0.01	0.03	0.03	0.09	0.03	0.05	0.02	0.04
11/03/2025	0.61	0.09	0.13	0.05	0.09	OL	OL	0.03	0.08	0.03	0.08	0.04	0.09	0.04	0.09	0.03	0.07
12/03/2025	0.60	0.07	0.12	0.03	0.07	OL	OL	0.02	0.06	0.02	0.04	0.03	0.05	0.03	0.05	0.02	0.06
13/03/2025	0.61	0.06	0.11	0.02	0.06	OL	OL	0.02	0.05	0.01	0.04	0.03	0.07	0.03	0.05	0.02	0.26
14/03/2025	0.61	0.07	0.11	0.03	0.07	OL	OL	0.02	0.06	0.01	0.05	0.03	0.06	0.03	0.06	0.02	0.06
15/03/2025	0.60	0.06	0.11	0.02	0.06	OL	OL	0.02	0.07	0.01	0.05	0.03	0.05	0.03	0.05	0.02	0.04
16/03/2025	0.61	0.06	0.11	0.02	0.06	OL	OL	0.02	0.05	0.01	0.04	0.03	0.14	0.03	0.06	0.02	0.15
17/03/2025	0.62	0.06	0.11	0.02	0.05	0.01	0.25	0.02	0.06	0.01	0.03	0.03	0.07	0.02	0.04	0.02	0.05
18/03/2025	0.62	0.06	0.18	0.01	0.04	0.02	0.05	0.02	0.06	0.01	0.09	0.04	0.06	0.03	0.06	0.02	0.05
19/03/2025	1.68	0.06	0.11	0.03	0.06	0.02	0.05	0.01	5.00	0.02	0.06	0.04	0.09	0.02	0.05	0.02	0.05
20/03/2025	0.61	0.06	0.10	0.02	0.06	0.02	0.05	0.00	0.03	0.01	0.03	0.03	0.06	0.03	0.05	0.01	0.03
21/03/2025	0.61	0.07	0.11	0.03	0.06	0.02	0.06	0.00	0.04	0.01	0.03	0.03	0.06	0.03	0.04	0.02	0.05
22/03/2025	0.63	0.06	0.11	0.02	0.04	0.02	0.06	0.01	0.04	0.01	0.03	0.04	0.05	0.03	0.06	0.02	0.05
23/03/2025	0.64	0.06	0.09	0.03	0.06	0.02	0.06	0.00	0.05	0.01	0.02	0.04	0.07	0.03	0.05	0.01	0.04
24/03/2025	0.76	0.05	0.18	0.02	0.16	0.02	0.10	0.00	0.10	0.01	0.03	0.03	0.07	0.02	0.06	0.01	0.04
25/03/2025	0.58	0.06	0.10	0.02	0.07	0.02	0.05	0.00	0.03	0.01	0.07	0.04	0.07	0.03	0.04	0.02	0.04
26/03/2025	0.62	0.07	0.13	0.03	0.04	0.02	0.09	0.01	0.05	0.02	0.14	0.05	0.07	0.03	0.05	0.02	0.05
27/03/2025	0.61	0.08	0.11	0.03	0.08	0.02	0.04	0.01	0.05	0.02	0.04	0.04	0.07	0.03	0.05	0.02	0.05
28/03/2025	0.59	0.07	0.12	0.03	0.07	0.03	0.07	0.01	0.04	0.01	0.04	0.05	0.08	0.03	0.06	0.02	0.03
29/03/2025	0.55	0.06	0.12	0.03	0.07	0.02	0.07	0.01	0.05	0.02	0.04	0.05	0.09	0.03	0.04	0.02	0.05
30/03/2025	0.51	0.06	0.11	0.02	0.07	0.02	0.06	0.01	0.03	0.02	0.03	0.07	0.08	0.03	0.05	0.02	0.05
31/03/2025	0.50	0.06	0.09	0.03	0.06	0.02	0.06	0.00	0.03	0.01	0.04	0.08	0.11	0.03	0.05	0.02	0.04

Total Number of Measurements Taken, A:	13304	14173	6207	12656	15703	15086	15108	12533
Turbidity Standard for Monitoring Location (NTU):	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Number of Measurements Meeting Standard, B:	13289	14173	6207	12654	15703	15086	15107	12533
Compliance with Turbidity Standard, C = B/A X 100%:	99.887%	100.000%	100.000%	99.984%	100.000%	100.000%	99.993%	100.000%

OL = off line

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2025\03-March

Submitted By (Print): H. Buhler

Signature: original signed by H. Buhler



Water Treatment Plant Turbidity Grab Monitoring Report March 2025

Water System Code: 252.00		Turbidity (NTU)																	
Licence No. PWS-09-412-02 AA																			
Date	Raw Water		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8		
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	
01-Mar-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
02-Mar-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
03-Mar-2025	0.47	0.52	0.09	<0.02	0.08	0.03	o/l	o/l	0.09	0.03	0.10	0.03	0.08	<0.02	0.09	0.02	0.09	<0.02	
04-Mar-2025	0.54	0.51	0.08	<0.02	0.08	0.02	o/l	o/l	0.08	0.03	0.08	0.03	0.09	<0.02	0.10	0.02	0.09	<0.02	
05-Mar-2025	0.55	0.52	0.10	<0.02	0.09	0.03	o/l	o/l	0.09	0.03	0.08	0.02	0.08	<0.02	0.08	<0.02	0.08	<0.02	
06-Mar-2025	0.52	0.42	0.09	0.07	0.12	0.07	o/l	o/l	0.09	0.02	0.08	0.03	0.08	<0.02	0.08	<0.02	0.09	0.03	
07-Mar-2025	0.57	0.42	0.08	0.07	0.09	0.02	o/l	o/l	0.10	0.02	0.08	0.03	0.08	0.04	0.08	0.02	0.08	0.03	
08-Mar-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
09-Mar-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
10-Mar-2025	0.54	0.43	0.08	0.06	0.08	0.02	o/l	o/l	0.07	<0.02	0.09	0.03	0.08	0.04	0.10	0.03	0.07	0.02	
11-Mar-2025	0.54	0.43	0.12	0.10	0.12	0.06	o/l	o/l	0.11	0.03	0.10	0.04	0.11	0.08	0.10	0.03	0.10	0.04	
12-Mar-2025	0.54	0.42	0.10	0.08	0.10	0.04	o/l	o/l	0.09	0.02	0.07	0.03	0.09	0.05	0.08	0.02	0.07	0.03	
13-Mar-2025	0.55	0.43	0.09	0.07	0.10	0.04	o/l	o/l	0.10	0.03	0.07	0.02	0.10	0.06	0.13	0.08	0.07	0.03	
14-Mar-2025	0.53	0.42	0.12	0.09	0.10	0.04	o/l	o/l	0.10	0.04	0.08	0.03	0.07	0.04	0.07	0.02	0.08	0.02	
15-Mar-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
16-Mar-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
17-Mar-2025	0.67	0.60	0.11	0.08	0.08	0.02	0.09	0.03	0.11	0.02	0.09	0.02	0.12	0.04	0.09	0.03	0.09	0.03	
18-Mar-2025	0.64	0.57	0.20	0.16	0.09	0.02	ns	ns	0.13	0.06	0.09	0.05	0.08	0.06	0.08	0.03	0.08	0.04	
19-Mar-2025	0.57	0.42	0.09	0.07	0.10	0.03	0.08	0.03	0.08	<0.02	0.10	0.04	0.08	0.05	0.09	0.03	0.08	0.03	
20-Mar-2025	0.53	0.45	0.11	0.08	0.09	0.04	0.08	0.03	0.09	<0.02	0.07	0.02	0.07	0.04	0.07	0.02	0.07	0.02	
21-Mar-2025	0.55	0.43	0.09	0.07	0.08	0.02	0.09	0.03	0.11	0.02	0.07	0.02	0.07	0.04	0.07	0.02	0.07	0.03	
22-Mar-2025	ns	ns	ns	ns	ns	ns	0.11	0.05	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
23-Mar-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
24-Mar-2025	0.53	0.45	0.10	0.07	0.10	0.04	0.08	0.02	0.10	<0.02	0.07	<0.02	0.08	0.05	0.08	0.02	0.08	0.03	
25-Mar-2025	0.54	0.43	0.08	0.06	0.08	0.02	0.09	0.03	0.12	0.02	0.08	<0.02	0.07	0.04	0.08	0.03	0.08	0.03	
26-Mar-2025	0.55	0.45	0.09	0.07	0.09	0.03	0.08	0.02	0.08	<0.02	0.08	0.02	0.07	0.06	0.08	0.03	0.09	0.04	
27-Mar-2025	0.54	0.45	0.10	0.08	0.09	0.04	0.08	0.03	0.09	<0.02	0.07	0.02	0.08	0.05	0.09	0.04	0.07	0.02	
28-Mar-2025	0.55	0.46	0.11	0.08	0.13	0.06	0.09	0.04	0.10	0.02	0.07	0.03	0.08	0.07	0.07	0.03	0.07	0.03	
29-Mar-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
30-Mar-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
31-Mar-2025	0.57	0.61	0.08	0.06	0.08	0.03	0.07	0.02	0.07	<0.02	0.08	0.02	0.07	0.09	0.08	0.03	0.07	0.03	
Total number of measurements taken, A:			21		21		11		21		21		21		21		21		
Turbidity Standard for Monitoring Location (NTU):			0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30		
Number of measurements meeting standard, B:			21		21		11		21		21		21		21		21		
Compliance with Turbidity Standard, C= B/A X 100%:			100%		100%		100%		100%		100%		100%		100%		100%		

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Filter 3 was offline for maintenance from January 20 at 5:47 pm to March 17 at 6:19 pm

Report Date: April 7, 2025



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: **252.00**
 Licence Number: **PWS-09-412-02-AA**

WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT

April 2025 Turbidity (NTU)

Date	Raw	Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
	Avg	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/04/2025	0.49	0.06	0.11	0.02	0.06	0.02	0.04	0.00	0.04	0.02	0.05	0.09	0.13	0.03	0.05	0.02	0.05
2/04/2025	0.50	0.06	0.11	0.02	0.06	0.02	0.06	0.01	0.03	0.02	0.05	0.11	0.16	0.03	0.07	0.03	0.04
3/04/2025	0.50	0.06	0.11	0.02	0.06	0.02	0.07	0.00	0.05	0.04	0.08	0.12	0.20	0.03	0.05	0.03	0.06
4/04/2025	0.52	0.06	0.10	0.03	0.06	0.02	0.06	0.03	0.09	0.02	0.07	0.06	0.20	0.01	0.04	0.02	0.06
5/04/2025	0.51	0.06	0.08	0.05	0.08	0.02	0.03	0.05	0.09	0.02	0.04	0.00	0.03	0.01	0.04	0.02	0.05
6/04/2025	0.53	0.06	0.11	0.04	0.08	0.02	0.06	0.06	0.08	0.02	0.04	0.00	0.03	0.01	0.04	0.02	0.03
7/04/2025	0.55	0.05	0.10	0.04	0.08	0.02	0.05	0.05	0.10	0.02	0.04	0.00	0.03	0.01	0.02	0.02	0.05
8/04/2025	0.56	0.05	0.09	0.04	0.08	0.01	0.05	0.05	0.09	0.02	0.04	0.00	0.02	0.02	0.04	0.02	0.05
9/04/2025	0.58	0.06	0.08	0.05	0.07	0.01	0.06	0.05	0.10	0.02	0.04	0.00	0.03	0.01	0.04	0.02	0.05
10/04/2025	0.59	0.06	0.27	0.04	0.27	0.04	0.46	0.07	0.43	0.02	0.05	0.00	0.05	0.01	0.03	0.02	0.04
11/04/2025	0.63	0.06	0.09	0.04	0.08	0.02	0.05	0.05	0.09	0.02	0.05	0.00	0.02	0.01	0.07	0.02	0.04
12/04/2025	0.65	0.06	0.09	0.04	0.08	0.02	0.05	0.05	0.11	0.03	0.04	0.00	0.02	0.02	0.03	0.02	0.05
13/04/2025	0.67	0.05	0.08	0.05	0.06	0.02	0.06	0.05	0.09	0.02	0.05	0.00	0.03	0.02	0.04	0.02	0.04
14/04/2025	0.69	0.07	0.10	0.05	0.08	0.02	0.03	0.05	0.08	0.02	0.05	0.00	0.04	0.02	0.04	0.02	0.05
15/04/2025	0.69	0.06	0.10	0.04	0.08	0.02	0.05	0.06	0.09	0.02	0.05	0.00	0.02	0.02	0.04	0.02	0.03
16/04/2025	0.71	0.05	0.08	0.04	0.07	0.02	0.05	0.05	0.08	0.02	0.04	0.00	0.04	0.02	0.03	0.02	0.05
17/04/2025	0.71	0.05	0.09	0.05	0.05	0.01	0.05	0.05	0.08	0.02	0.04	0.00	0.03	0.02	0.05	0.02	0.04
18/04/2025	0.73	0.06	0.08	0.04	0.08	0.01	0.03	0.04	0.08	0.02	0.04	0.00	0.02	0.02	0.04	0.02	0.04
19/04/2025	0.75	0.05	0.09	0.04	0.07	0.02	0.05	0.05	0.08	0.01	0.05	0.00	0.05	0.03	0.05	0.02	0.03
20/04/2025	0.77	0.05	0.09	0.04	0.07	0.02	0.05	0.04	0.09	0.01	0.03	0.00	0.02	0.04	0.05	0.02	0.05
21/04/2025	0.77	0.05	0.07	0.04	0.06	0.01	0.04	0.04	0.08	0.01	0.04	0.00	0.02	0.05	0.07	0.02	0.04
22/04/2025	0.78	0.06	0.08	0.04	0.06	0.02	0.03	0.05	0.07	0.01	0.04	0.00	0.03	0.05	0.08	0.02	0.05
23/04/2025	0.78	0.05	0.08	0.04	0.06	0.01	0.05	0.05	0.09	0.01	0.05	0.00	0.02	0.06	0.09	0.02	0.03
24/04/2025	0.78	0.04	0.08	0.04	0.06	0.01	0.04	0.05	0.08	0.01	0.03	0.00	0.02	0.08	0.09	0.02	0.05
25/04/2025	0.79	0.05	0.17	0.04	0.15	0.01	0.21	0.05	0.23	0.01	0.04	0.00	0.02	0.10	0.12	0.02	0.05
26/04/2025	0.86	0.05	0.07	0.04	0.06	0.01	0.04	0.04	0.08	0.01	0.03	0.00	0.02	0.11	0.15	0.03	0.05
27/04/2025	0.89	0.04	0.07	0.03	0.06	0.01	0.03	0.05	0.08	0.01	0.04	0.00	0.02	0.14	0.18	0.03	0.06
28/04/2025	0.92	0.04	0.07	0.04	0.06	0.01	0.04	0.05	0.21	0.01	0.04	0.00	0.01	0.09	2.51	0.04	0.06
29/04/2025	0.90	0.04	0.09	0.04	0.06	0.02	0.06	0.05	0.10	0.02	0.05	0.00	0.03	0.03	0.05	0.05	0.08
30/04/2025	0.90	0.05	0.08	0.05	0.08	0.02	0.04	0.06	0.11	0.02	0.08	0.00	0.03	0.03	0.05	0.06	0.10

Total Number of Measurements Taken, A:	14746	14016	14186	14533	16114	9448	15298	14886
Turbidity Standard for Monitoring Location (NTU):	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Number of Measurements Meeting Standard, B:	14746	14016	14163	14511	16114	9448	15297	14886
Compliance with Turbidity Standard, C = B/A X 100%:	100.000%	100.000%	99.838%	99.849%	100.000%	100.000%	99.993%	100.000%

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2025\04-April

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water Treatment Plant Turbidity Grab Monitoring Report April 2025

Water System Code: 252.00		Turbidity (NTU)																	
Licence No. PWS-09-412-02 AA																			
Date	Raw Water		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8		
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	
01-Apr-2025	0.48	0.45	0.10	0.08	0.10	0.04	0.08	0.03	0.08	<0.02	0.06	0.02	0.08	0.11	0.06	0.02	0.07	0.03	
02-Apr-2025	0.46	0.40	0.11	0.09	0.11	0.05	0.09	0.03	0.10	0.02	0.07	0.03	0.07	0.12	0.07	0.03	0.07	0.03	
03-Apr-2025	0.47	0.46	0.09	0.07	0.08	0.03	0.09	0.03	0.13	0.02	0.08	0.04	0.08	0.16	0.62	0.03	0.09	0.05	
04-Apr-2025	0.50	0.46	0.08	0.07	0.08	0.02	0.07	0.02	0.08	<0.02	0.08	0.06	0.08	<0.02	0.08	<0.02	0.10	0.06	
05-Apr-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
06-Apr-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
07-Apr-2025	0.49	0.47	0.08	0.06	0.08	0.05	0.10	0.04	0.10	0.08	0.08	0.02	0.07	<0.02	0.07	<0.02	0.08	0.03	
08-Apr-2025	0.52	0.47	0.08	0.06	0.08	0.04	0.07	0.02	0.10	0.08	0.08	0.03	0.08	<0.02	0.08	<0.02	0.09	0.04	
09-Apr-2025	0.47	0.49	0.09	0.06	0.10	0.05	0.10	0.02	0.09	0.06	0.09	0.03	0.09	<0.02	0.11	0.02	0.09	0.02	
10-Apr-2025	0.53	0.52	0.09	0.07	0.10	0.08	0.08	0.03	0.08	0.06	0.07	0.03	0.09	<0.02	0.07	<0.02	0.07	0.03	
11-Apr-2025	0.53	0.56	0.11	0.09	0.07	0.05	0.09	0.03	0.09	0.07	0.07	0.04	0.07	<0.02	0.07	<0.02	0.08	0.03	
12-Apr-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
13-Apr-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
14-Apr-2025	0.61	0.65	0.10	0.07	0.10	0.06	0.09	0.02	0.09	0.05	0.09	0.02	0.11	0.02	0.13	0.05	0.08	0.03	
15-Apr-2025	0.54	0.64	0.12	0.09	0.09	0.05	0.09	0.03	0.10	0.07	0.09	0.03	0.08	<0.02	0.08	<0.02	0.09	0.03	
16-Apr-2025	0.56	0.66	0.08	0.06	0.09	0.05	0.08	0.02	0.09	0.06	0.09	0.03	0.09	<0.02	0.09	<0.02	0.09	0.03	
17-Apr-2025	0.65	0.70	0.07	0.06	0.07	0.05	0.07	0.02	0.07	0.05	0.08	0.03	0.07	0.02	0.08	0.02	0.08	0.03	
18-Apr-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
19-Apr-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
20-Apr-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
21-Apr-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
22-Apr-2025	0.70	0.78	0.10	0.06	0.10	0.05	0.09	0.02	0.09	0.06	0.08	0.02	0.09	<0.02	0.09	0.05	0.09	0.03	
23-Apr-2025	0.71	0.78	0.09	0.07	0.09	0.06	0.08	0.02	0.08	0.06	0.07	0.02	0.06	<0.02	0.06	0.06	0.07	0.04	
24-Apr-2025	0.71	0.79	0.07	0.05	0.07	0.05	0.09	0.03	0.09	0.06	0.07	0.02	0.06	<0.02	0.07	0.08	0.07	0.04	
25-Apr-2025	0.74	0.73	0.08	0.05	0.07	0.04	0.07	<0.02	0.07	0.05	0.08	0.03	0.07	<0.02	0.08	0.10	0.10	0.05	
26-Apr-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
27-Apr-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
28-Apr-2025	0.67	0.98	0.07	0.04	0.07	0.05	0.09	0.03	0.09	0.07	0.08	0.02	0.07	<0.02	0.08	0.17	0.08	0.05	
29-Apr-2025	0.69	0.94	0.07	0.06	0.08	0.05	0.07	0.02	0.07	0.05	0.07	0.03	0.07	<0.02	0.07	0.03	0.09	0.08	
30-Apr-2025	0.53	0.89	0.08	0.05	0.08	0.06	0.07	0.03	0.08	0.06	0.06	0.02	0.07	<0.02	0.08	0.03	0.06	0.07	
Total number of measurements taken, A:			20		20		20		20		20		20		20		20		
Turbidity Standard for Monitoring Location (NTU):			0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30		
Number of measurements meeting standard, B:			20		20		20		20		20		20		19		20		
Compliance with Turbidity Standard, C= B/A X 100%:			100%		100%		100%		100%		100%		100%		95%		100%		

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

April 3: Filter 7 grab sample had visible particles, the sample line was flushed and results after flushing were <0.02 ntu analyzer/0.07 ntu grab sample

Report Date: May 7, 2025



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT

May 2025 Turbidity (NTU)		Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
Date	Raw Avg	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/05/2025	0.92	0.05	0.10	0.05	0.08	0.03	0.06	0.07	0.11	0.02	0.05	0.01	0.04	0.03	0.05	0.07	0.09
2/05/2025	1.01	0.04	0.08	0.04	0.10	0.03	0.07	0.07	0.12	0.04	0.06	0.01	0.04	0.03	0.05	0.11	0.13
3/05/2025	1.02	0.04	0.09	0.05	0.10	0.03	0.06	0.08	0.13	0.04	0.07	0.01	0.05	0.04	0.05	0.12	0.17
4/05/2025	1.04	0.04	0.09	0.06	0.07	0.03	0.06	0.10	0.15	0.04	0.08	0.02	0.06	0.03	0.06	0.17	0.24
5/05/2025	1.10	0.04	0.07	0.06	0.09	0.03	0.06	0.11	0.20	0.06	0.10	0.04	0.10	0.03	0.05	0.09	0.25
6/05/2025	1.15	0.05	0.16	0.09	0.24	0.04	0.13	0.15	0.20	0.05	0.13	0.04	0.08	0.02	0.07	0.00	0.02
7/05/2025	0.78	0.04	0.08	0.08	0.13	0.03	0.08	0.13	0.18	0.01	0.05	0.04	0.09	0.03	0.04	0.00	0.02
8/05/2025	0.75	0.04	0.07	0.09	0.13	0.03	0.07	0.13	0.20	0.02	0.06	0.06	0.09	0.03	0.05	0.00	0.02
9/05/2025	0.74	0.05	0.07	0.10	0.14	0.04	0.09	0.14	0.23	0.02	0.06	0.06	0.10	0.03	0.06	0.00	0.02
10/05/2025	0.73	0.04	0.09	0.09	0.14	0.04	0.08	0.11	0.22	0.03	0.09	0.07	0.12	0.02	0.05	0.00	0.01
11/05/2025	0.74	0.02	0.16	0.09	0.14	0.04	0.07	0.09	0.14	0.03	0.07	0.09	0.14	0.02	0.04	0.02	0.07
12/05/2025	0.78	0.02	0.05	0.10	0.15	0.04	0.07	0.09	0.16	0.04	0.07	0.14	0.20	0.03	0.05	0.06	0.09
13/05/2025	0.80	0.01	0.05	0.10	0.16	0.05	0.09	0.10	0.16	0.06	0.11	0.09	0.24	0.03	0.05	0.05	0.10
14/05/2025	0.84	0.02	0.06	0.13	0.16	0.05	0.09	0.09	0.15	0.10	0.17	0.03	0.06	0.03	0.08	0.05	0.08
15/05/2025	0.89	0.03	0.08	0.13	0.16	0.05	0.08	0.10	0.41	0.14	0.21	0.03	0.07	0.03	0.07	0.05	0.20
16/05/2025	0.92	0.03	0.06	0.10	0.19	0.06	0.09	0.10	0.15	0.12	0.29	0.03	0.07	0.05	0.09	0.06	0.10
17/05/2025	1.10	0.05	0.10	0.07	0.11	0.05	0.11	0.08	0.13	0.01	0.07	0.04	0.08	0.07	0.12	0.08	0.11
18/05/2025	0.99	0.06	0.14	0.08	0.13	0.05	0.11	0.08	0.15	0.01	0.04	0.05	0.08	0.13	0.16	0.08	0.12
19/05/2025	0.87	0.09	0.12	0.10	0.14	0.06	0.11	0.08	0.14	0.01	0.06	0.05	0.08	0.08	0.21	0.10	0.14
20/05/2025	0.87	0.11	0.15	0.09	0.13	0.07	0.10	0.10	0.14	0.01	0.05	0.05	0.09	0.05	0.09	0.13	0.20
21/05/2025	0.93	0.13	0.20	0.08	0.13	0.06	0.13	0.09	0.15	0.01	0.05	0.06	0.10	0.05	0.08	0.20	0.25
22/05/2025	0.86	0.10	0.20	0.08	0.11	0.06	0.11	0.08	0.16	0.01	0.05	0.08	0.10	0.06	0.08	0.09	0.29
23/05/2025	0.87	0.06	0.09	0.10	0.12	0.07	0.12	0.10	0.16	0.02	0.05	0.09	0.13	0.06	0.08	0.05	0.10
24/05/2025	0.86	0.05	0.09	0.08	0.13	0.09	0.13	0.12	0.18	0.03	0.08	0.12	0.18	0.06	0.19	0.07	0.10
25/05/2025	0.87	0.04	0.09	0.08	0.12	0.08	0.13	0.14	0.19	0.04	0.10	0.14	0.20	0.06	0.09	0.08	0.10
26/05/2025	1.08	0.03	0.06	0.07	0.12	0.07	0.13	0.14	0.21	0.06	0.11	0.08	0.21	0.07	0.08	0.09	0.12
27/05/2025	1.79	0.03	0.07	0.07	0.12	0.08	0.13	0.13	0.20	0.09	0.16	0.00	0.03	0.07	0.10	0.13	0.17
28/05/2025	2.47	0.03	0.06	0.08	0.12	0.08	0.14	0.13	0.20	0.13	0.30	0.00	0.04	0.08	0.12	0.17	0.24
29/05/2025	1.84	0.02	0.09	0.05	0.13	0.07	0.12	0.12	0.18	0.02	0.14	0.00	0.03	0.06	0.12	0.06	0.13
30/05/2025	0.81	0.01	0.05	0.04	0.08	0.05	0.09	0.11	0.17	0.02	0.09	0.00	0.03	0.02	0.05	0.03	0.06
31/05/2025	0.76	0.01	0.05	0.04	0.10	0.05	0.10	0.11	0.17	0.02	0.07	0.01	0.04	0.02	0.05	0.03	0.05

Total Number of Measurements Taken, A:	16599	16340	16635	17682	16407	15630	16584	14003
Turbidity Standard for Monitoring Location (NTU):	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Number of Measurements Meeting Standard, B:	16599	16340	16635	17681	16407	15630	16584	14003
Compliance with Turbidity Standard, C = B/A X 100%:	100.000%	100.000%	100.000%	99.99%	100.000%	100.000%	100.000%	100.000%

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2025\05-May

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water Treatment Plant Turbidity Grab Monitoring Report May 2025

Water System Code: 252.00	Turbidity (NTU)																	
Licence No. PWS-09-412-02 AA																		
Date	Raw Water		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8	
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser
01-May-2025	0.65	1.03	0.09	0.06	0.10	0.08	0.08	0.03	0.08	0.10	0.07	0.04	0.08	0.03	0.06	0.02	0.07	0.09
02-May-2025	0.71	1.01	0.09	0.05	0.09	0.06	0.10	0.04	0.10	0.09	0.08	0.04	0.07	0.02	0.07	0.03	0.08	0.12
03-May-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
04-May-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
05-May-2025	0.53	0.97	0.09	0.04	0.09	0.06	0.09	0.03	0.08	0.12	0.07	0.07	0.08	0.06	0.09	0.03	0.07	<0.02
06-May-2025	0.63	1.08	0.13	0.06	0.11	0.12	0.10	0.05	0.11	0.16	0.08	0.11	0.07	0.06	0.09	0.02	0.07	<0.02
07-May-2025	0.72	1.03	0.09	0.05	0.09	0.10	0.08	0.04	0.10	0.16	0.08	<0.02	0.07	0.06	0.10	0.02	0.08	<0.02
08-May-2025	0.69	0.87	0.09	0.04	0.10	0.10	0.09	0.04	0.09	0.14	0.08	0.04	0.08	0.07	0.08	0.02	0.09	0.03
09-May-2025	0.78	0.96	0.09	0.06	0.10	0.11	0.09	0.05	0.09	0.15	0.07	0.03	0.08	0.08	0.09	0.03	0.07	<0.02
10-May-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
11-May-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
12-May-2025	0.64	0.91	0.09	0.03	0.09	0.11	0.10	0.06	0.10	0.11	0.07	0.07	0.09	0.15	0.08	0.02	0.08	0.08
13-May-2025	0.70	0.93	0.10	0.02	0.09	0.12	0.09	0.06	0.12	0.12	0.08	0.07	0.07	0.23	0.08	0.02	0.08	0.07
14-May-2025	0.76	1.07	0.10	0.02	0.10	0.14	0.10	0.05	0.09	0.10	0.09	0.13	0.09	0.04	0.08	0.03	0.09	0.07
15-May-2025	0.80	1.06	0.09	0.04	0.09	0.15	0.09	0.05	0.08	0.10	0.07	0.16	0.08	0.06	0.08	0.04	0.07	0.07
16-May-2025	0.74	1.07	0.10	0.04	0.11	0.18	0.10	0.06	0.10	0.11	0.08	0.24	0.08	0.05	0.07	0.04	0.07	0.07
17-May-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
18-May-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
19-May-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
20-May-2025	0.65	0.80	0.12	0.13	0.13	0.12	0.12	0.08	0.11	0.10	0.08	<0.02	0.08	0.06	0.09	0.05	0.09	0.14
21-May-2025	0.75	1.03	0.13	0.21	0.10	0.10	0.12	0.09	0.12	0.11	0.11	0.03	0.08	0.07	0.08	0.06	0.08	0.20
22-May-2025	0.75	0.75	0.10	0.19	0.11	0.10	0.11	0.07	0.13	0.13	0.11	0.02	0.10	0.08	0.10	0.05	0.13	0.28
23-May-2025	0.80	0.82	0.11	0.07	0.12	0.11	0.11	0.08	0.10	0.11	0.09	0.03	0.10	0.11	0.10	0.07	0.08	0.07
24-May-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
25-May-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
26-May-2025	0.75	1.10	0.09	0.04	0.09	0.08	0.11	0.10	0.11	0.17	0.09	0.08	0.09	0.12	0.08	0.07	0.09	0.11
27-May-2025	0.81	1.11	0.10	0.04	0.10	0.08	0.09	0.08	0.09	0.14	0.09	0.10	0.10	<0.02	0.09	0.07	0.09	0.14
28-May-2025	0.72	1.01	0.10	0.04	0.10	0.09	0.10	0.09	0.10	0.15	0.07	0.18	0.08	<0.02	0.09	0.09	0.10	0.21
29-May-2025	0.97	1.13	0.11	0.05	0.11	0.10	0.10	0.11	0.11	0.15	0.09	<0.02	0.08	<0.02	0.09	0.10	0.09	0.04
30-May-2025	0.81	1.13	0.13	0.04	0.11	0.05	0.10	0.06	0.10	0.13	0.11	0.03	0.09	<0.02	0.08	0.02	0.08	0.04
31-May-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
Total number of measurements taken, A:			21		21		21		21		21		21		21		21	
Turbidity Standard for Monitoring Location (NTU):			0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30	
Number of measurements meeting standard, B:			21		21		21		21		21		21		21		21	
Compliance with Turbidity Standard, C= B/A X 100%:			100%		100%		100%		100%		100%		100%		100%		100%	

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Report Date: June 6, 2025



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT

June 2025 Turbidity (NTU)

Date	Raw	Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
	Avg	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/06/2025	0.80	0.00	0.03	0.03	0.06	0.05	0.09	0.10	0.17	0.01	0.07	0.00	0.04	0.02	0.04	0.03	0.05
2/06/2025	0.75	0.00	0.03	0.02	0.06	0.03	0.09	0.08	0.13	0.01	0.06	0.00	0.03	0.01	0.05	0.03	0.04
3/06/2025	0.76	0.01	0.15	0.02	0.12	0.02	0.10	0.06	0.18	0.02	0.22	0.00	0.10	0.01	0.10	0.03	0.19
4/06/2025	0.83	0.08	0.13	0.04	0.11	0.03	0.07	0.08	0.14	0.05	0.12	0.01	0.04	0.01	0.01	0.15	0.17
5/06/2025	0.91	0.09	0.12	0.04	0.08	0.03	0.06	0.08	0.13	0.06	0.11	0.01	0.04	0.01	0.01	0.06	0.18
6/06/2025	0.88	0.08	0.11	0.04	0.07	0.03	0.07	0.12	0.25	0.07	0.15	0.01	0.03	0.01	0.01	0.01	0.05
7/06/2025	0.94	0.08	0.12	0.04	0.07	0.03	0.05	0.13	0.17	0.12	0.20	0.01	0.04	0.01	0.02	0.01	0.03
8/06/2025	0.99	0.08	0.15	0.04	0.07	0.03	0.05	0.13	0.21	0.19	0.30	0.02	0.05	0.03	0.05	0.01	0.06
9/06/2025	1.06	0.04	0.07	0.05	0.07	0.03	0.06	0.07	0.12	0.04	0.08	0.03	0.07	0.08	0.12	0.01	0.04
10/06/2025	1.26	0.04	0.07	0.05	0.07	0.03	0.07	0.07	0.10	0.03	0.07	0.05	0.08	0.14	0.20	0.02	0.04
11/06/2025	1.16	0.06	0.08	0.05	0.10	0.04	0.08	0.08	0.12	0.03	0.08	0.06	0.11	0.09	0.25	0.02	0.04
12/06/2025	1.02	0.05	0.09	0.05	0.08	0.04	0.06	0.09	0.13	0.03	0.07	0.08	0.13	0.01	0.03	0.02	0.05
13/06/2025	1.16	0.05	0.08	0.06	0.10	0.05	0.09	0.09	0.14	0.03	0.06	0.08	0.12	0.01	0.04	0.02	0.04
14/06/2025	1.34	0.06	0.09	0.06	0.08	0.06	0.11	0.09	0.15	0.03	0.09	0.09	4.62	0.01	0.04	0.02	0.05
15/06/2025	1.44	0.05	0.08	0.06	0.11	0.06	0.11	0.09	0.16	0.02	0.05	0.09	0.15	0.01	0.04	0.02	0.05
16/06/2025	1.57	0.06	0.09	0.06	0.11	0.07	0.12	0.11	0.15	0.02	0.06	0.07	0.14	0.01	0.05	0.02	0.06
17/06/2025	1.46	0.05	0.11	0.06	0.11	0.08	0.10	0.10	0.15	0.02	0.06	0.12	0.17	0.02	0.05	0.03	0.08
18/06/2025	1.22	0.06	0.09	0.07	0.12	0.09	0.13	0.10	0.16	0.02	0.08	0.11	0.15	0.01	0.03	0.02	0.05
19/06/2025	1.31	0.05	0.16	0.08	0.10	0.08	0.14	0.11	0.17	0.02	0.07	0.11	0.16	0.02	0.05	0.02	0.05
20/06/2025	1.62	0.04	0.07	0.06	0.10	0.08	0.14	0.10	0.17	0.01	0.04	0.11	0.17	0.02	0.08	0.03	0.05
21/06/2025	1.40	0.04	0.08	0.06	0.11	0.09	0.15	0.13	0.15	0.01	0.03	0.13	0.15	0.02	0.05	0.02	0.06
22/06/2025	1.08	0.04	0.08	0.07	0.11	0.12	0.14	0.12	0.17	0.02	0.04	0.14	0.18	0.02	0.07	0.03	0.07
23/06/2025	1.03	0.04	0.08	0.05	0.09	0.08	0.17	0.11	0.16	0.01	0.06	0.06	0.20	0.02	0.04	0.02	0.04
24/06/2025	1.14	0.04	0.06	0.05	0.09	0.05	0.11	0.11	0.16	0.01	0.10	0.01	0.13	0.03	0.06	0.00	0.02
25/06/2025	1.30	0.05	0.09	0.04	0.09	0.05	0.10	0.12	0.15	0.01	0.04	0.01	0.06	0.03	0.07	0.01	0.04
26/06/2025	1.62	0.04	0.08	0.04	0.08	0.06	0.08	0.11	0.16	0.00	0.02	0.01	0.04	0.02	0.06	0.00	0.10
27/06/2025	1.98	0.04	0.08	0.04	0.10	0.06	0.12	0.11	0.17	0.01	0.03	0.02	0.05	0.03	0.04	0.01	0.05
28/06/2025	2.36	0.03	0.11	0.05	0.08	0.07	0.13	0.11	0.17	0.00	0.04	0.02	0.05	0.03	0.07	0.00	0.02
29/06/2025	2.13	0.03	0.05	0.04	0.08	0.07	0.12	0.11	0.16	0.00	0.02	0.02	0.05	0.03	0.06	0.00	0.03
30/06/2025	1.36	0.03	0.21	0.05	0.08	0.07	0.13	0.12	0.16	0.00	0.03	0.02	0.04	0.03	0.07	0.00	0.03

Total Number of Measurements Taken, A:	13989	14633	14242	15605	14110	14816	14760	13145
Turbidity Standard for Monitoring Location (NTU):	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Number of Measurements Meeting Standard, B:	13989	14633	14242	15605	14110	14815	14760	13145
Compliance with Turbidity Standard, C = B/A X 100%:	100.000%	100.000%	100.000%	100.000%	100.000%	99.993%	100.000%	100.000%

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2025\06-June

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water System Code: 252.00		Turbidity (NTU)																	
Licence No. PWS-09-412-02 AA																			
Date	Raw Water		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8		
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	
01-Jun-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
02-Jun-2025	1.24	0.98	0.08	<0.02	0.08	0.03	0.08	0.03	0.08	0.10	0.08	0.02	0.10	0.02	0.08	<0.02	0.07	0.03	
03-Jun-2025	0.64	1.00	0.09	<0.02	0.09	0.04	0.08	0.04	0.09	0.11	0.07	0.02	0.07	<0.02	0.07	<0.02	0.07	0.16	
04-Jun-2025	0.68	1.02	0.08	0.08	0.08	0.05	0.08	0.04	0.08	0.09	0.07	0.07	0.08	0.02	0.07	<0.02	0.08	0.15	
05-Jun-2025	0.62	1.24	0.08	0.09	0.08	0.05	0.08	0.03	0.08	0.10	0.08	0.08	0.07	<0.02	0.08	<0.02	0.07	0.18	
06-Jun-2025	0.68	1.23	0.09	0.10	0.09	0.05	0.08	0.03	0.09	0.12	0.07	0.09	0.07	<0.02	0.07	<0.02	0.08	0.03	
07-Jun-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
08-Jun-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
09-Jun-2025	0.89	1.39	0.08	0.05	0.08	0.05	0.09	0.05	0.08	0.08	0.08	0.06	0.09	0.06	0.07	0.07	0.07	0.02	
10-Jun-2025	0.89	1.27	0.08	0.06	0.08	0.06	0.07	0.04	0.08	0.08	0.08	0.04	0.07	0.06	0.08	0.14	0.07	0.03	
11-Jun-2025	0.81	1.25	0.09	0.07	0.12	0.08	0.08	0.04	0.08	0.09	0.07	0.04	0.07	0.08	0.09	<0.02	0.08	0.04	
12-Jun-2025	0.83	1.28	0.10	0.07	0.08	0.06	0.10	0.04	0.09	0.09	0.08	0.05	0.08	0.10	0.08	<0.02	0.10	0.03	
13-Jun-2025	0.89	1.28	0.09	0.05	0.08	0.06	0.09	0.05	0.09	0.10	0.08	0.04	0.08	0.10	0.08	<0.02	0.07	0.03	
14-Jun-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
15-Jun-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
16-Jun-2025	1.02	1.23	0.13	0.07	0.15	0.10	0.12	0.08	0.11	0.12	0.09	0.03	0.09	0.11	0.08	<0.02	0.11	0.04	
17-Jun-2025	0.89	1.14	0.15	0.10	0.10	0.07	0.11	0.09	0.12	0.13	0.10	0.04	0.10	0.13	0.09	<0.02	0.09	0.03	
18-Jun-2025	0.97	1.10	0.11	0.06	0.12	0.08	0.13	0.10	0.14	0.14	0.09	0.04	0.12	0.14	0.11	<0.02	0.10	0.03	
19-Jun-2025	0.90	1.13	0.13	0.07	0.12	0.09	0.14	0.12	0.11	0.12	0.11	0.05	0.09	0.12	0.10	<0.02	0.10	0.03	
20-Jun-2025	0.92	1.46	0.11	0.04	0.11	0.08	0.11	0.08	0.11	0.12	0.27	<0.02	0.09	0.13	0.16	0.03	0.12	0.04	
21-Jun-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
22-Jun-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
23-Jun-2025	0.82	1.17	0.11	0.04	0.12	0.07	0.14	0.14	0.11	0.13	0.11	<0.02	0.15	0.20	0.11	0.02	0.10	0.03	
24-Jun-2025	0.85	1.08	0.11	0.04	0.12	0.06	0.11	0.05	0.11	0.12	0.13	0.02	0.10	<0.02	0.12	0.03	0.12	<0.02	
25-Jun-2025	1.14	1.24	0.14	0.06	0.16	0.08	0.15	0.06	0.14	0.12	0.11	<0.02	0.12	0.02	0.15	0.04	0.13	0.03	
26-Jun-2025	0.83	1.37	0.16	0.08	0.12	0.05	0.13	0.07	0.14	0.13	0.10	<0.02	0.12	0.02	0.11	0.02	0.10	<0.02	
27-Jun-2025	1.17	1.56	0.12	0.04	0.12	0.06	0.14	0.08	0.16	0.15	0.12	0.02	0.15	0.05	0.12	0.02	0.11	<0.02	
28-Jun-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
29-Jun-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
30-Jun-2025	1.10	1.58	0.13	0.03	0.14	0.07	0.11	0.09	0.12	0.13	0.10	<0.02	0.11	0.03	0.09	0.02	0.12	0.02	
Total number of measurements taken, A:			21		21		21		21		21		21		21		21		
Turbidity Standard for Monitoring Location (NTU):			0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30		
Number of measurements meeting standard, B:			21		21		21		21		21		21		21		21		
Compliance with Turbidity Standard, C= B/A X 100%:			100%		100%		100%		100%		100%		100%		100%		100%		

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance
Comments:

Report Date: July 7, 2025



CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT

July 2025 Turbidity (NTU)		Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
Date	Raw Avg	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/07/2025	1.28	0.03	0.08	0.05	0.08	0.08	0.12	0.11	0.16	0.01	0.04	0.04	0.07	0.03	0.07	0.00	0.03
2/07/2025	1.33	0.02	0.07	0.04	0.08	0.09	0.12	0.11	0.26	0.00	0.03	0.04	0.09	0.04	0.06	0.00	0.03
3/07/2025	1.37	0.03	1.58	0.05	0.13	0.09	0.21	0.12	0.26	0.01	0.05	0.05	0.08	0.05	0.09	0.00	0.04
4/07/2025	1.41	0.04	0.26	0.07	0.31	0.12	0.30	0.12	0.32	0.05	0.13	0.06	0.11	0.05	0.09	0.01	0.03
5/07/2025	1.58	0.03	1.90	0.04	0.08	0.11	0.17	0.10	0.13	0.12	0.19	0.07	0.13	0.06	0.09	0.01	0.05
6/07/2025	1.51	0.03	0.07	0.05	0.09	0.12	0.18	0.10	0.14	0.13	0.19	0.09	0.13	0.07	0.11	0.02	0.16
7/07/2025	1.25	0.03	0.06	0.05	0.08	0.14	0.17	0.09	0.13	0.13	0.20	0.11	0.14	0.07	0.13	0.03	0.05
8/07/2025	1.31	0.03	0.11	0.05	0.08	0.08	0.21	0.08	0.14	0.12	0.20	0.11	0.18	0.08	0.11	0.03	0.06
9/07/2025	1.28	0.03	1.17	0.05	0.08	0.04	0.08	0.09	0.12	0.08	0.18	0.11	0.15	0.10	0.11	0.03	0.06
10/07/2025	1.65	0.03	0.22	0.06	0.08	0.05	0.10	0.09	0.13	0.07	0.11	0.12	0.17	0.09	0.12	0.04	0.06
11/07/2025	1.62	0.03	0.22	0.05	0.09	0.05	0.08	0.09	0.13	0.08	0.11	0.08	0.18	0.05	0.14	0.03	0.07
12/07/2025	1.70	0.03	0.06	0.05	0.08	0.05	0.08	0.09	0.12	0.08	0.12	0.00	0.02	0.02	0.04	0.02	0.04
13/07/2025	2.36	0.03	0.07	0.05	0.08	0.07	0.09	0.09	0.16	0.10	0.14	0.01	0.04	0.03	0.07	0.03	0.06
14/07/2025	2.02	0.03	0.14	0.04	0.17	0.03	0.12	0.06	0.27	0.06	0.21	0.01	0.17	0.04	0.17	0.03	0.17
15/07/2025	1.91	0.04	0.37	0.05	0.10	0.06	0.10	0.10	0.14	0.10	0.15	0.02	0.05	0.05	0.08	0.04	0.07
16/07/2025	1.94	0.04	0.18	0.05	0.08	0.05	0.08	0.08	0.11	0.10	0.14	0.02	0.07	0.05	0.09	0.04	0.06
17/07/2025	1.78	0.04	0.07	0.04	0.09	0.05	0.09	0.08	0.13	0.10	0.14	0.04	0.07	0.06	0.08	0.03	0.06
18/07/2025	2.05	0.04	0.08	0.05	0.07	0.05	0.10	0.07	0.13	0.09	0.14	0.05	0.09	0.08	0.12	0.03	0.05
19/07/2025	2.04	0.05	0.11	0.05	0.08	0.05	0.09	0.07	0.10	0.08	0.22	0.07	0.12	0.09	0.14	0.04	0.08
20/07/2025	2.31	0.05	0.09	0.05	0.19	0.05	0.10	0.09	0.13	0.08	0.12	0.10	0.13	0.11	0.16	0.04	0.09
21/07/2025	2.75	0.05	0.10	0.05	0.09	0.06	0.09	0.08	0.14	0.08	0.14	0.13	0.16	0.13	0.26	0.05	0.09
22/07/2025	2.20	0.07	2.12	0.05	0.15	0.05	0.10	0.07	0.16	0.08	0.12	0.07	0.21	0.08	0.21	0.05	0.16
23/07/2025	2.44	0.07	0.10	0.07	0.10	0.05	0.11	0.07	0.12	0.08	0.13	0.01	0.05	0.01	0.04	0.05	0.06
24/07/2025	2.57	0.09	0.13	0.06	0.10	0.05	0.10	0.08	0.12	0.08	0.13	0.04	0.06	0.01	0.05	0.06	0.09
25/07/2025	2.46	0.08	0.13	0.06	0.11	0.06	0.08	0.08	0.13	0.07	0.28	0.10	0.11	0.01	0.04	0.07	0.11
26/07/2025	2.60	0.07	0.12	0.06	0.11	0.06	0.11	0.08	0.13	0.07	0.11	0.10	0.16	0.01	0.03	0.08	0.13
27/07/2025	2.98	0.07	0.13	0.07	0.10	0.05	0.11	0.07	0.13	0.07	0.12	0.11	0.17	0.01	0.03	0.10	0.12
28/07/2025	2.91	0.09	0.13	0.06	0.10	0.06	0.10	0.07	0.10	0.06	0.10	0.12	0.18	0.01	0.03	0.11	0.15
29/07/2025	3.33	0.08	0.13	0.06	0.11	0.06	0.11	0.09	0.13	0.05	0.08	0.16	0.19	0.01	0.03	0.12	0.16
30/07/2025	2.79	0.09	0.14	0.06	0.11	0.08	0.11	0.08	0.27	0.05	0.08	0.05	0.23	0.01	0.02	0.08	0.16
31/07/2025	2.92	0.09	0.19	0.07	0.09	0.08	0.12	0.08	0.15	0.05	0.12	0.00	0.00	0.01	0.03	0.04	0.06

Total Number of Measurements Taken, A:	15693	15859	15064	16573	15730	14599	15598	14566
Turbidity Standard for Monitoring Location (NTU):	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Number of Measurements Meeting Standard, B:	15686	15853	15064	16567	15730	14599	15598	14566
Compliance with Turbidity Standard, C = B/A X 100%:	99.955%	99.962%	100.000%	99.964%	100.000%	100.000%	100.000%	100.000%

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2025\07-July

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water Treatment Plant Turbidity Grab Monitoring Report July 2025

Water System Code: 252.00	Turbidity (NTU)																	
Licence No. PWS-09-412-02 AA																		
Date	Raw Water		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8	
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser
01-Jul-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
02-Jul-2025	1.17	1.67	0.09	<0.02	0.10	0.04	0.10	0.10	0.12	0.14	0.09	<0.02	0.11	0.06	0.09	0.03	0.09	<0.02
03-Jul-2025	1.28	1.77	0.12	0.03	0.12	0.05	0.14	0.13	0.10	0.13	0.11	<0.02	0.11	0.07	0.11	0.04	0.10	<0.02
04-Jul-2025	1.11	1.81	0.12	0.02	0.13	0.06	0.11	0.11	0.12	0.14	0.10	<0.02	0.09	0.08	0.11	0.06	0.10	0.02
05-Jul-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
06-Jul-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
07-Jul-2025	1.14	1.83	0.12	0.04	0.10	0.05	0.10	0.15	0.12	0.11	0.10	0.15	0.11	0.13	0.10	0.07	0.11	0.04
08-Jul-2025	1.17	1.95	0.11	0.03	0.10	0.05	0.13	0.18	0.11	0.11	0.10	0.16	0.13	0.15	0.11	0.08	0.10	0.03
09-Jul-2025	1.27	1.65	0.09	0.04	0.10	0.06	0.10	0.06	0.10	0.09	0.09	0.11	0.09	0.15	0.09	0.09	0.09	0.04
10-Jul-2025	1.20	1.83	0.10	0.03	0.11	0.07	0.10	0.05	0.11	0.11	0.10	0.11	0.09	0.15	0.10	0.10	0.09	0.05
11-Jul-2025	1.19	1.84	0.10	0.03	0.12	0.08	0.10	0.05	0.11	0.11	0.09	0.11	0.09	0.18	0.09	0.10	0.09	0.06
12-Jul-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
13-Jul-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
14-Jul-2025	1.37	2.48	0.11	0.04	0.11	0.07	0.12	0.08	0.10	0.11	0.11	0.13	0.11	0.02	0.11	0.05	0.11	0.06
15-Jul-2025	1.75	nr	0.11	0.05	0.11	0.07	0.11	0.07	0.10	0.12	0.10	0.13	0.11	0.03	0.10	0.05	0.11	0.06
16-Jul-2025	1.56	2.06	0.11	0.05	0.09	0.06	0.09	0.05	0.10	0.10	0.09	0.13	0.10	0.03	0.10	0.05	0.09	0.05
17-Jul-2025	1.53	2.06	0.10	0.05	0.11	0.06	0.15	0.07	0.13	0.10	0.12	0.11	0.12	0.06	0.12	0.05	0.10	0.04
18-Jul-2025	1.52	2.41	0.11	0.06	0.12	0.06	0.16	0.10	0.10	0.08	0.10	0.12	0.09	0.05	0.10	0.08	0.09	0.05
19-Jul-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
20-Jul-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
21-Jul-2025	1.98	3.08	0.10	0.05	0.10	0.06	0.12	0.07	0.13	0.11	0.08	0.10	0.09	0.15	0.08	0.14	0.08	0.06
22-Jul-2025	1.52	2.47	0.10	0.05	0.10	0.05	0.11	0.07	0.09	0.08	0.08	0.10	0.12	0.20	0.09	0.04	0.08	0.07
23-Jul-2025	1.53	2.52	0.11	0.09	0.11	0.07	0.10	0.06	0.10	0.07	0.10	0.12	0.08	<0.02	0.09	<0.02	0.08	0.06
24-Jul-2025	1.52	2.64	0.12	0.10	0.13	0.09	0.11	0.06	0.11	0.09	0.07	0.11	0.08	0.06	0.11	<0.02	0.09	0.08
25-Jul-2025	1.58	2.13	0.13	0.11	0.09	0.06	0.11	0.06	0.11	0.10	0.08	0.09	0.09	0.11	0.08	<0.02	0.11	0.10
26-Jul-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
27-Jul-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
28-Jul-2025	1.83	2.58	0.13	0.10	0.18	0.09	0.11	0.06	0.11	0.08	0.09	0.08	0.09	0.14	0.10	<0.02	0.11	0.13
29-Jul-2025	1.67	2.37	0.15	0.11	0.11	0.06	0.12	0.07	0.12	0.10	0.09	0.06	0.09	0.17	0.07	<0.02	0.09	0.16
30-Jul-2025	1.61	2.37	0.15	0.12	0.11	0.06	0.12	0.08	0.15	0.12	0.08	0.07	0.09	0.21	0.08	<0.02	0.07	0.15
31-Jul-2025	1.93	2.35	0.11	0.10	0.12	0.07	0.15	0.11	0.12	0.09	0.09	0.07	0.11	<0.02	0.10	<0.02	0.08	0.06
Total number of measurements taken, A:			22		22		22		22		22		22		22		22	
Turbidity Standard for Monitoring Location (NTU):			0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30	
Number of measurements meeting standard, B:			22		22		22		22		22		22		22		22	
Compliance with Turbidity Standard, C= B/A X 100%:			100%		100%		100%		100%		100%		100%		100%		100%	

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

July 15 - no result due to laboratory error

Report Date: August 6, 2025



CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
WATER SERVICES

Water System Code: **252.00**
 Licence Number: **PWS-09-412-02-AA**

WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT

August 2025 Turbidity (NTU)																	
Date	Raw	Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
	Avg	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/08/2025	3.16	0.10	0.14	0.07	0.12	0.07	0.12	0.09	0.15	0.06	0.09	0.00	0.11	0.01	0.03	0.08	0.09
2/08/2025	3.68	0.11	0.16	0.07	0.11	0.07	0.10	0.09	0.13	0.05	0.15	0.00	0.01	0.01	0.04	0.09	0.12
3/08/2025	4.22	0.03	0.22	0.05	0.15	0.06	0.16	0.08	0.22	0.05	0.11	0.00	0.02	0.01	0.05	0.07	0.15
4/08/2025	4.28	0.03	0.07	0.06	0.08	0.06	0.10	0.08	0.15	0.05	0.09	0.00	0.00	0.01	0.03	0.10	0.16
5/08/2025	4.04	0.03	0.05	0.06	0.11	0.06	0.11	0.08	0.14	0.05	0.14	0.00	0.02	0.01	0.03	0.13	0.15
6/08/2025	3.28	0.03	0.06	0.06	0.10	0.05	0.11	0.06	0.12	0.05	0.37	0.00	0.00	0.01	0.09	0.09	0.18
7/08/2025	2.47	0.04	0.09	0.06	0.20	0.06	0.16	0.03	0.10	0.06	0.14	0.00	0.02	0.02	0.08	0.05	0.10
8/08/2025	2.02	0.04	0.12	0.06	0.08	0.06	0.10	0.03	0.08	0.06	0.10	0.00	0.00	0.01	0.02	0.05	0.08
9/08/2025	2.30	0.04	0.07	0.07	0.10	0.06	0.11	0.03	0.09	0.06	0.10	0.00	0.00	0.01	0.04	0.05	0.07
10/08/2025	2.88	0.06	0.10	0.07	0.11	0.06	0.11	0.05	0.08	0.07	0.10	0.00	0.00	0.01	0.04	0.05	0.09
11/08/2025	2.67	0.06	0.10	0.07	0.11	0.07	0.09	0.04	0.09	0.08	0.13	0.00	0.00	0.01	0.05	0.05	0.09
12/08/2025	2.77	0.05	0.10	0.06	0.09	0.06	0.11	0.04	0.09	0.09	0.12	0.00	0.00	0.02	0.04	0.06	0.10
13/08/2025	2.72	0.06	0.09	0.07	0.11	0.06	0.11	0.04	0.08	0.08	0.13	0.00	0.00	0.03	0.06	0.08	0.10
14/08/2025	2.73	0.06	0.13	0.06	0.11	0.05	0.11	0.05	0.08	0.08	0.12	0.00	0.00	0.02	0.06	0.07	0.11
15/08/2025	2.99	0.05	0.11	0.06	0.10	0.06	0.08	0.04	0.10	0.09	0.12	0.00	0.05	0.03	0.06	0.08	0.13
16/08/2025	2.98	0.06	0.09	0.06	0.08	0.05	0.09	0.03	0.07	0.10	0.21	0.00	0.00	0.04	0.05	0.08	0.12
17/08/2025	3.38	0.06	0.08	0.07	0.09	0.05	0.09	0.03	0.08	0.09	0.14	0.00	0.34	0.04	0.07	0.10	0.11
18/08/2025	2.57	0.08	0.11	0.06	0.10	0.04	0.10	0.04	0.08	0.09	0.13	0.02	0.06	0.05	0.08	0.09	0.13
19/08/2025	2.61	0.07	0.11	0.06	0.09	0.06	0.08	0.04	0.08	0.09	0.12	0.04	0.08	0.05	0.09	0.09	0.13
20/08/2025	2.58	0.07	0.12	0.06	0.08	0.06	0.09	0.04	0.09	0.10	0.15	0.03	0.06	0.06	0.08	0.09	0.13
21/08/2025	2.32	0.07	0.10	0.07	0.10	0.05	0.10	0.04	0.09	0.08	0.14	0.04	0.06	0.07	0.10	0.11	0.12
22/08/2025	2.24	0.09	0.18	0.06	0.10	0.05	0.09	0.05	0.07	0.10	0.14	0.04	0.06	0.07	0.11	0.10	0.14
23/08/2025	1.73	0.08	0.14	0.06	0.10	0.05	0.07	0.05	0.09	0.11	0.27	0.05	0.08	0.09	0.14	0.11	0.15
24/08/2025	1.82	0.09	0.14	0.06	0.56	0.05	0.09	0.05	0.08	0.11	0.16	0.04	0.09	0.12	0.13	0.12	0.17
25/08/2025	1.44	0.08	0.16	0.06	0.10	0.05	0.09	0.05	0.09	0.08	0.12	0.03	0.06	0.07	0.16	0.10	0.16
26/08/2025	1.53	0.05	0.09	0.03	0.07	0.04	0.08	0.05	0.08	0.07	0.11	0.02	0.04	0.02	0.05	0.05	0.09
27/08/2025	1.52	0.04	0.08	0.03	0.06	0.05	0.06	0.05	0.10	0.06	0.11	0.03	0.05	0.02	0.04	0.05	0.08
28/08/2025	1.34	0.03	0.10	0.03	0.05	0.04	0.08	0.05	0.09	0.08	0.11	0.03	0.06	0.02	0.03	0.06	0.09
29/08/2025	2.01	0.03	0.06	0.03	0.07	0.04	0.07	0.04	0.09	0.06	0.18	0.03	0.07	0.03	0.05	0.08	0.09
30/08/2025	1.78	0.04	0.08	0.04	0.07	0.04	0.09	0.05	0.07	0.06	0.09	0.03	0.06	0.03	0.06	0.08	0.12
31/08/2025	1.29	0.04	0.08	0.04	0.07	0.05	0.07	0.05	0.10	0.06	0.10	0.04	0.06	0.03	0.07	0.09	0.13
Total Number of Measurements Taken, A:		15243		15143		14455		16378		16637		7216		15665		15526	
Turbidity Standard for Monitoring Location (NTU):		0.3		0.3		0.3		0.3		0.3		0.3		0.3		0.3	
Number of Measurements Meeting Standard, B:		15243		15142		14455		16378		16636		7215		15665		15526	
Compliance with Turbidity Standard, C = B/A X 100%:		100.000%		99.993%		100.000%		100.000%		99.994%		99.986%		100.000%		100.000%	

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2025\08-August

Submitted By (Print): **D. Merredew**

Signature: **Original signed by D. Merredew**



Water Treatment Plant Turbidity Grab Monitoring Report August 2025

Water System Code: 252.00	Turbidity (NTU)																	
Licence No. PWS-09-412-02 AA																		
Date	Raw Water		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8	
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser
01-Aug-2025	1.80	2.36	0.09	0.12	0.09	0.09	0.07	0.07	0.10	0.10	0.08	0.09	0.04	<0.02	0.06	<0.02	0.10	0.08
02-Aug-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
03-Aug-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
04-Aug-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
05-Aug-2025	2.27	2.29	0.10	0.04	0.08	0.08	0.07	0.06	0.07	0.09	0.07	0.08	0.06	<0.02	0.07	<0.02	0.05	0.14
06-Aug-2025	1.87	2.63	0.08	0.04	0.07	0.07	0.07	0.06	0.07	0.09	0.08	0.06	0.04	<0.02	0.04	<0.02	0.06	0.17
07-Aug-2025	2.22	2.64	0.08	0.07	0.09	0.07	0.08	0.07	0.07	0.05	0.06	0.10	0.06	<0.02	0.04	0.02	0.04	0.07
08-Aug-2025	1.77	2.43	0.07	0.04	0.09	0.07	0.10	0.08	0.06	0.03	0.04	0.08	0.06	<0.02	0.04	<0.02	0.04	0.06
09-Aug-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
10-Aug-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
11-Aug-2025	1.80	2.36	0.11	0.08	0.08	0.07	0.09	0.07	0.10	0.07	0.04	0.09	0.06	<0.02	0.05	<0.02	0.05	0.07
12-Aug-2025	2.11	3.87	0.08	0.06	0.08	0.08	0.11	0.08	0.08	0.04	0.05	0.10	0.07	<0.02	0.05	<0.02	0.05	0.07
13-Aug-2025	1.93	2.68	0.08	0.08	0.08	0.08	0.08	0.06	0.07	0.04	0.08	0.13	0.05	<0.02	0.09	0.03	0.06	0.08
14-Aug-2025	2.34	3.23	0.09	0.07	0.11	0.09	0.09	0.06	0.08	0.05	0.07	0.10	0.09	<0.02	0.14	<0.02	0.07	0.10
15-Aug-2025	1.82	2.88	0.11	0.08	0.09	0.07	0.10	0.07	0.10	0.06	0.05	0.11	0.08	<0.02	0.05	0.02	0.05	0.09
16-Aug-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
17-Aug-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
18-Aug-2025	2.45	2.72	0.08	0.08	0.11	0.09	0.09	0.06	0.08	0.05	0.05	0.11	0.05	<0.02	0.06	0.02	0.06	0.12
19-Aug-2025	1.52	2.89	0.08	0.09	0.07	0.07	0.08	0.06	0.09	0.06	0.06	0.11	0.06	0.04	0.05	0.04	0.05	0.10
20-Aug-2025	1.68	2.46	0.07	0.08	0.07	0.07	0.10	0.08	0.06	0.05	0.05	0.12	0.08	0.06	0.05	0.06	0.04	0.11
21-Aug-2025	1.95	2.61	0.09	0.08	0.08	0.08	0.08	0.06	0.07	0.05	0.06	0.12	0.04	0.04	0.07	0.08	0.05	0.11
22-Aug-2025	1.59	2.80	0.08	0.10	0.08	0.08	0.07	0.06	0.07	0.06	0.04	0.12	0.04	0.06	0.05	0.07	0.06	0.13
23-Aug-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
24-Aug-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
25-Aug-2025	1.38	2.40	0.08	0.12	0.08	0.08	0.10	0.07	0.07	0.06	0.07	0.12	0.04	0.03	0.05	0.14	0.04	0.15
26-Aug-2025	1.59	2.25	0.09	0.05	0.10	0.07	0.08	0.05	0.07	0.06	0.06	0.10	0.04	0.03	0.08	0.03	0.07	0.07
27-Aug-2025	5.98	2.44	0.10	0.07	0.07	0.04	0.07	0.06	0.08	0.07	0.04	0.08	0.04	0.04	0.04	<0.02	0.04	0.06
28-Aug-2025	1.87	2.13	0.06	0.04	0.07	0.04	0.09	0.06	0.07	0.04	0.05	0.09	0.07	0.05	0.10	0.02	0.04	0.08
29-Aug-2025	1.45	2.28	0.05	0.04	0.06	0.04	0.07	0.04	0.04	0.04	0.06	0.10	0.04	0.04	0.04	0.03	0.04	0.09
30-Aug-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
31-Aug-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
Total number of measurements taken, A:			20		20		20		20		20		20		20		20	
Turbidity Standard for Monitoring Location (NTU):			0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30	
Number of measurements meeting standard, B:			20		20		20		20		20		20		20		20	
Compliance with Turbidity Standard, C= B/A X 100%:			100%		100%		100%		100%		100%		100%		100%		100%	

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

The raw water analyzer is cleaned daily during warm water months because it is susceptible to frequent fouling

Report Date: September 5, 2025



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT

September 2025 Turbidity (NTU)																	
Date	Raw	Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
	Avg	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/09/2025	1.55	0.04	0.09	0.04	0.09	0.06	0.09	0.06	0.10	0.08	0.10	0.04	0.06	0.05	0.06	0.10	0.15
2/09/2025	1.34	0.05	0.11	0.06	0.08	0.05	0.10	0.06	0.11	0.08	0.19	0.04	0.07	0.06	0.09	0.13	0.15
3/09/2025	1.21	0.08	0.10	0.06	0.10	0.06	0.12	0.07	0.11	0.09	0.13	0.05	0.09	0.07	0.11	0.15	0.18
4/09/2025	1.42	0.08	0.13	0.07	0.11	0.07	0.10	0.08	0.11	0.09	0.15	0.06	0.08	0.09	0.14	0.16	0.21
5/09/2025	1.36	0.10	0.16	0.07	0.13	0.09	0.16	0.08	0.17	0.11	0.14	0.06	0.09	0.11	0.12	0.17	0.24
6/09/2025	1.22	0.10	0.17	0.08	0.11	0.07	0.14	0.08	0.15	0.11	0.16	0.07	0.11	0.14	0.16	0.19	0.23
7/09/2025	1.56	0.13	0.15	0.07	0.12	0.07	0.13	0.07	0.11	0.10	0.16	0.07	0.12	0.15	0.19	0.16	0.26
8/09/2025	1.77	0.12	0.18	0.07	0.11	0.06	0.09	0.09	0.14	0.10	0.14	0.09	0.11	0.16	0.22	0.13	0.18
9/09/2025	2.05	0.09	0.15	0.05	0.10	0.07	0.13	0.09	0.14	0.07	0.16	0.05	0.13	0.10	0.21	0.08	0.15
10/09/2025	2.48	0.07	0.13	0.06	0.08	0.07	0.11	0.10	0.17	0.05	0.09	0.04	0.06	0.04	0.07	0.04	0.07
11/09/2025	2.89	0.08	0.11	0.06	0.11	0.07	0.13	0.10	0.18	0.05	0.16	0.04	0.08	0.05	0.08	0.04	0.06
12/09/2025	2.02	0.09	0.13	0.06	0.12	0.07	0.13	0.13	0.16	0.04	0.08	0.04	0.08	0.05	0.08	0.03	0.06
13/09/2025	1.08	0.08	0.14	0.06	0.15	0.07	0.11	0.12	0.18	0.04	0.08	0.06	0.08	0.06	0.09	0.03	0.06
14/09/2025	0.76	0.07	0.13	0.05	0.10	0.07	0.12	0.11	0.18	0.04	0.10	0.06	0.09	0.06	0.09	0.03	0.05
15/09/2025	1.70	0.07	0.16	0.07	0.11	0.08	0.15	0.12	0.23	0.03	0.07	0.06	0.10	0.08	0.10	0.03	0.04
16/09/2025	2.15	0.10	0.13	0.07	0.12	0.08	0.13	0.10	0.18	0.04	0.08	0.07	0.14	0.09	0.13	0.03	0.05
17/09/2025	3.12	0.09	0.16	0.06	0.11	0.07	0.10	0.08	0.15	0.04	0.09	0.11	0.13	0.11	0.17	0.04	0.07
18/09/2025	1.99	0.09	0.16	0.06	0.12	0.08	0.13	0.07	0.13	0.07	0.10	0.13	0.18	0.16	0.18	0.05	0.09
19/09/2025	1.14	0.09	0.18	0.08	0.11	0.08	0.14	0.07	0.13	0.07	0.12	0.15	0.23	0.19	0.23	0.06	0.07
20/09/2025	0.97	0.11	0.16	0.07	0.11	0.07	0.14	0.07	0.10	0.06	0.11	0.13	0.20	0.13	0.26	0.05	0.09
21/09/2025	0.83	0.10	0.16	0.06	0.11	0.07	0.10	0.07	0.13	0.06	0.12	0.01	0.03	0.02	0.06	0.05	0.09
22/09/2025	0.75	0.10	0.16	0.06	0.12	0.09	0.14	0.07	0.14	0.07	0.11	0.01	0.04	0.01	0.03	0.05	0.09
23/09/2025	0.84	0.09	0.17	0.07	0.10	0.07	0.13	0.06	0.12	0.07	0.12	0.01	0.04	0.02	0.05	0.05	0.07
24/09/2025	0.85	0.11	0.14	0.06	0.11	0.07	0.13	0.06	0.13	0.07	0.11	0.01	0.04	0.02	0.06	0.07	0.10
25/09/2025	1.04	0.11	0.17	0.06	0.11	0.07	0.13	0.08	0.12	0.08	0.15	0.01	0.03	0.02	0.05	0.07	0.11
26/09/2025	0.82	0.12	0.19	0.06	0.11	0.09	0.11	0.07	0.13	0.09	0.12	0.01	0.04	0.01	0.03	0.07	0.11
27/09/2025	0.62	0.12	0.19	0.07	0.09	0.08	0.14	0.07	0.14	0.08	0.14	0.00	0.03	0.01	0.05	0.06	0.11
28/09/2025	0.67	0.15	0.17	0.07	0.11	0.08	0.14	0.06	0.13	0.09	0.14	0.00	0.03	0.01	0.04	0.08	0.10
29/09/2025	0.79	0.14	0.21	0.07	0.12	0.07	0.14	0.08	0.14	0.10	0.16	0.01	0.02	0.01	0.04	0.08	0.13
30/09/2025	0.67	0.07	0.17	0.06	0.11	0.09	0.13	0.08	0.13	0.11	0.15	0.01	0.08	0.01	0.07	0.06	0.11
Total Number of Measurements Taken, A:		14594		14344		14055		15421		15978		15247		15009		14907	
Turbidity Standard for Monitoring Location (NTU):		0.3		0.3		0.3		0.3		0.3		0.3		0.3		0.3	
Number of Measurements Meeting Standard, B:		14594		14344		14055		15421		15978		15247		15009		14907	
Compliance with Turbidity Standard, C = B/A X 100%:		100.000%		100.000%		100.000%		100.000%		100.000%		100.000%		100.000%		100.000%	

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2025\09-September

Submitted By (Print): D.Merredew

Signature: Original signed by D.Merredew



Water Treatment Plant Turbidity Grab Monitoring Report September 2025

Water System Code: 252.00		Turbidity (NTU)																	
Licence No. PWS-09-412-02 AA																			
Date	Raw Water		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8		
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	
01-Sep-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
02-Sep-2025	1.49	2.18	0.07	0.06	0.08	0.06	0.10	0.07	0.07	0.07	0.09	0.10	0.04	0.05	0.05	0.06	0.09	0.14	
03-Sep-2025	1.48	2.58	0.10	0.08	0.11	0.09	0.09	0.07	0.09	0.07	0.04	0.10	0.09	0.05	0.10	0.09	0.05	0.17	
04-Sep-2025	1.48	2.28	0.11	0.10	0.07	0.06	0.10	0.07	0.10	0.08	0.06	0.10	0.04	0.06	0.04	0.08	0.07	0.20	
05-Sep-2025	1.32	2.01	0.11	0.11	0.11	0.08	0.14	0.11	0.14	0.12	0.04	0.11	0.05	0.08	0.04	0.11	0.04	0.20	
06-Sep-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
07-Sep-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
08-Sep-2025	0.97	1.62	0.11	0.16	0.12	0.10	0.10	0.07	0.13	0.10	0.04	0.13	0.03	0.10	0.03	0.16	0.05	0.16	
09-Sep-2025	0.83	1.50	0.14	0.11	0.10	0.07	0.11	0.08	0.14	0.13	0.04	0.14	0.04	0.12	0.04	0.20	0.05	0.15	
10-Sep-2025	1.15	1.80	0.09	0.08	0.10	0.06	0.14	0.09	0.08	0.08	0.05	0.07	0.06	0.05	0.08	0.04	0.04	0.05	
11-Sep-2025	1.02	1.65	0.12	0.09	0.12	0.09	0.11	0.07	0.11	0.11	0.08	0.09	0.04	0.05	0.07	0.06	0.05	0.05	
12-Sep-2025	1.16	1.88	0.13	0.11	0.13	0.09	0.11	0.08	0.16	0.14	0.05	0.07	0.04	0.06	0.04	0.04	0.06	0.05	
13-Sep-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
14-Sep-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
15-Sep-2025	1.29	1.78	0.10	0.08	0.10	0.07	0.14	0.11	0.08	0.13	0.05	0.06	0.07	0.10	0.05	0.08	0.05	0.03	
16-Sep-2025	1.02	1.94	0.12	0.11	0.14	0.10	0.11	0.08	0.12	0.09	0.04	0.04	0.05	0.09	0.06	0.11	0.05	0.04	
17-Sep-2025	1.01	2.12	0.14	0.13	0.08	0.06	0.12	0.08	0.11	0.08	0.03	0.05	0.05	0.11	0.04	0.11	0.06	0.06	
18-Sep-2025	1.05	1.64	0.12	0.09	0.13	0.06	0.12	0.09	0.14	0.11	0.07	0.09	0.07	0.16	0.06	0.15	0.04	0.05	
19-Sep-2025	1.27	1.53	0.11	0.11	0.11	0.08	0.13	0.11	0.10	0.09	0.10	0.10	0.05	0.16	0.07	0.20	0.06	0.07	
20-Sep-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
21-Sep-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
22-Sep-2025	1.09	1.36	0.09	0.11	0.10	0.07	0.12	0.10	0.15	0.13	0.07	0.09	0.07	0.03	0.05	<0.02	0.07	0.06	
23-Sep-2025	0.93	1.18	0.12	0.10	0.08	0.07	0.12	0.10	0.11	0.06	0.07	0.09	0.07	0.03	0.06	<0.02	0.05	0.07	
24-Sep-2025	0.81	1.21	0.10	0.13	0.11	0.08	0.09	0.07	0.09	0.07	0.10	0.10	0.06	0.02	0.10	0.04	0.08	0.09	
25-Sep-2025	1.12	1.34	0.11	0.14	0.14	0.10	0.12	0.08	0.11	0.09	0.07	0.11	0.11	0.02	0.06	<0.02	0.09	0.10	
26-Sep-2025	0.68	1.41	0.13	0.15	0.09	0.06	0.10	0.09	0.13	0.12	0.08	0.11	0.11	0.03	0.07	<0.02	0.05	0.08	
27-Sep-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
28-Sep-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
29-Sep-2025	0.79	1.14	0.11	0.17	0.12	0.10	0.09	0.08	0.10	0.09	0.09	0.13	0.09	<0.02	0.05	<0.02	0.09	0.13	
30-Sep-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
Total number of measurements taken, A:			20		20		20		20		20		20		20		20		
Turbidity Standard for Monitoring Location (NTU):			0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30		
Number of measurements meeting standard, B:			20		20		20		20		20		20		20		20		
Compliance with Turbidity Standard, C= B/A X 100%:			100%		100%		100%		100%		100%		100%		100%		100%		

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Report Date: October 7, 2025



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: **252.00**
 Licence Number: **PWS-09-412-02-AA**

WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT

October 2025 Turbidity (NTU)

Date	RAW Avg		Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
	Tr 1	Tr 2	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/10/2025	1.38	0.77	0.04	0.10	0.07	0.09	0.08	0.14	0.07	0.13	0.10	0.16	0.00	0.03	0.03	0.08	0.02	0.03
2/10/2025	2.06	0.69	0.05	0.12	0.07	0.11	0.08	0.14	0.07	0.13	0.11	0.17	0.01	0.03	0.03	0.06	0.03	0.05
3/10/2025	1.60	0.77	0.05	0.13	0.07	0.13	0.08	0.11	0.10	0.13	0.12	0.19	0.01	0.03	0.03	0.07	0.03	0.06
4/10/2025	1.72	0.86	0.05	0.11	0.07	0.13	0.11	0.16	0.09	0.15	0.16	0.20	0.01	0.04	0.03	0.04	0.02	0.06
5/10/2025	2.01	1.83	0.05	0.13	0.08	0.11	0.05	0.16	0.08	0.16	0.07	0.23	0.01	0.04	0.04	0.07	0.03	0.04
6/10/2025	1.37	0.94	0.06	0.12	0.07	0.13	0.02	0.07	0.08	0.12	0.02	0.06	0.01	0.05	0.04	0.07	0.04	0.06
7/10/2025	1.28	0.65	0.07	0.11	0.08	0.14	0.02	0.04	0.08	0.13	0.03	0.08	0.02	0.04	0.03	0.07	0.03	0.06
8/10/2025	0.98	0.47	0.07	0.13	0.07	0.11	0.03	0.08	0.08	0.13	0.03	0.07	0.02	0.04	0.03	0.06	0.04	0.07
9/10/2025	1.30	0.45	0.08	0.14	0.06	0.08	0.03	0.08	0.09	0.15	0.03	0.08	0.02	0.05	0.04	0.07	0.04	0.08
10/10/2025	1.06	0.46	0.10	0.12	0.06	0.10	0.02	0.09	0.08	0.12	0.04	0.08	0.02	0.04	0.04	0.08	0.05	0.08
11/10/2025	1.29	0.49	0.08	0.14	0.05	0.09	0.02	0.05	0.09	0.12	0.04	0.07	0.03	0.04	0.04	0.06	0.04	0.08
12/10/2025	1.72	0.60	0.08	0.15	0.05	0.08	0.02	0.04	0.07	0.12	0.04	0.07	0.02	0.05	0.04	0.05	0.04	0.06
13/10/2025	1.12	0.72	0.08	0.15	0.06	0.10	0.01	0.04	0.07	0.11	0.05	0.08	0.02	2.13	0.04	0.06	0.05	0.06
14/10/2025	1.74	0.55	0.10	0.12	0.05	0.08	0.01	0.04	0.07	0.11	0.04	0.07	0.02	0.04	0.03	0.05	0.06	0.07
15/10/2025	1.70	0.91	0.05	0.21	0.03	0.20	0.01	0.10	0.05	0.17	0.02	0.08	0.02	0.07	0.02	0.07	0.02	0.09
16/10/2025	1.03	0.62	0.08	0.13	0.05	0.09	0.01	0.04	0.07	0.11	0.04	0.07	0.04	0.06	0.04	0.06	0.06	0.10
17/10/2025	0.96	0.63	0.08	0.10	0.02	0.04	0.00	0.01	0.05	0.09	0.04	0.06	0.04	0.07	0.04	0.06	0.07	0.11
18/10/2025	0.91	0.57	0.07	0.11	0.02	0.05	0.00	0.01	0.06	0.08	0.05	0.09	0.05	0.07	0.04	0.06	0.07	0.12
19/10/2025	0.95	0.63	0.07	0.11	0.02	0.05	0.00	0.00	0.05	0.08	0.05	0.09	0.05	0.07	0.04	0.06	0.08	0.11
20/10/2025	0.98	0.63	0.08	0.11	0.03	0.04	0.00	0.00	0.05	0.10	0.05	0.07	0.06	0.08	0.05	0.06	0.08	0.12
21/10/2025	1.01	0.69	0.10	0.11	0.02	0.04	0.00	0.01	0.05	0.09	0.05	0.09	0.07	0.10	0.05	0.07	0.11	0.12
22/10/2025	1.05	0.78	0.11	0.18	0.04	0.07	0.00	0.03	0.07	0.09	0.06	0.09	0.08	0.10	0.05	0.08	0.10	0.13
23/10/2025	1.10	0.89	0.13	0.19	0.05	0.11	0.02	0.04	0.09	0.14	0.08	0.12	0.09	0.12	0.06	0.08	0.11	0.16
24/10/2025	1.14	0.80	0.13	0.19	0.07	0.11	0.02	0.09	0.09	0.16	0.07	0.13	0.10	0.14	0.08	0.10	0.13	0.16
25/10/2025	1.03	0.54	0.13	0.14	0.03	0.05	0.00	0.01	0.07	0.09	0.07	0.10	0.12	0.20	0.08	0.11	0.16	0.18
26/10/2025	1.14	0.66	0.11	0.16	0.03	0.06	0.00	0.01	0.09	0.11	0.07	0.11	0.07	0.17	0.09	0.13	0.07	0.20
27/10/2025	1.15	0.70	0.10	0.14	0.03	0.06	0.00	0.01	0.08	0.12	0.08	0.10	0.02	0.04	0.10	0.14	0.04	0.07
28/10/2025	0.97	0.61	0.10	0.14	0.04	0.06	0.00	0.01	0.08	0.14	0.08	0.10	0.02	0.04	0.13	0.15	0.05	0.06
29/10/2025	0.96	0.59	0.12	0.14	0.03	0.06	0.01	0.04	0.10	0.12	0.08	0.11	0.02	0.06	0.13	0.16	0.05	0.07
30/10/2025	1.12	0.63	0.10	0.14	0.03	0.08	0.01	0.05	0.10	0.16	0.08	0.15	0.02	0.06	0.14	0.19	0.05	0.07
31/10/2025	1.04	0.61	0.08	0.16	0.03	0.06	0.05	0.09	0.09	0.15	0.10	0.14	0.02	0.04	0.11	0.19	0.04	0.06

Total Number of Measurements Taken, A:	15674	15442	9605	16296	16247	15649	15417	14944
Turbidity Standard for Monitoring Location (NTU):	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Number of Measurements Meeting Standard, B:	15674	15442	9605	16296	16247	15648	15417	14944
Compliance with Turbidity Standard, C = B/A X 100%:	100.000%	100.000%	100.000%	100.000%	100.000%	99.99%	100.000%	100.000%

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2025\10-October

Submitted By (Print): D. Merredew

Signature: Original signed by D. Merredew



Water Treatment Plant Turbidity Grab Monitoring Report October 2025

Water System Code: 252.00	Turbidity (NTU)																			
Date	Raw Train 1		Raw Train 2		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8	
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser
01-Oct-2025	1.06	2.06	1.23	1.11	0.08	0.05	0.09	0.08	0.12	0.12	0.07	0.08	0.07	0.13	0.11	0.02	0.05	0.03	0.05	0.03
02-Oct-2025	2.52	1.51	1.20	0.65	0.10	0.06	0.10	0.10	0.09	0.09	0.08	0.08	0.04	0.14	0.06	<0.02	0.08	0.04	0.05	0.03
03-Oct-2025	4.26	1.54	2.28	0.67	0.11	0.07	0.08	0.07	0.10	0.10	0.12	0.09	0.09	0.15	0.06	<0.02	0.05	0.02	0.09	0.05
04-Oct-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
05-Oct-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
06-Oct-2025	0.88	1.20	0.73	0.70	0.08	0.05	0.09	0.09	0.08	0.02	0.07	0.09	0.07	0.05	0.05	0.02	0.07	0.05	0.05	0.04
07-Oct-2025	1.24	1.03	0.69	0.53	0.11	0.10	0.08	0.09	0.09	0.03	0.10	0.10	0.04	0.03	0.05	0.02	0.05	0.02	0.10	0.05
08-Oct-2025	1.30	0.94	0.74	0.44	0.09	0.08	0.08	0.10	0.11	0.04	0.10	0.10	0.05	0.04	0.07	0.04	0.05	0.03	0.04	0.04
09-Oct-2025	1.48	0.97	0.90	0.38	0.10	0.08	0.08	0.06	0.13	0.06	0.12	0.09	0.06	0.05	0.08	0.04	0.05	0.03	0.06	0.05
10-Oct-2025	1.01	0.96	0.74	0.46	0.10	0.10	0.10	0.08	0.09	0.03	0.11	0.10	0.08	0.08	0.05	0.03	0.07	0.05	0.06	0.06
11-Oct-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
12-Oct-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
13-Oct-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
14-Oct-2025	1.01	0.92	0.70	0.48	0.06	0.11	0.09	0.06	0.06	<0.02	0.08	0.07	0.08	0.06	0.04	0.03	0.05	0.04	0.04	0.06
15-Oct-2025	2.18	0.98	1.68	0.61	0.09	0.11	0.08	0.05	0.08	<0.02	0.08	0.09	0.05	0.05	0.06	0.04	0.06	0.02	ns	ns
16-Oct-2025	0.84	0.99	0.54	0.66	0.10	0.10	0.09	0.06	0.05	<0.02	0.04	0.08	0.04	0.05	0.03	0.04	0.03	0.03	0.03	0.07
17-Oct-2025	0.67	0.98	0.57	0.64	0.05	0.09	0.04	0.04	0.03	<0.02	0.06	0.07	0.05	0.06	0.04	0.05	0.05	0.04	0.05	0.09
18-Oct-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	0.11	0.09
19-Oct-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
20-Oct-2025	0.99	0.96	0.89	0.60	0.07	0.09	0.05	0.04	0.05	<0.02	0.06	0.05	0.10	0.06	0.08	0.04	0.07	0.04	0.07	0.10
21-Oct-2025	1.02	1.08	1.41	0.63	0.07	0.10	0.03	0.03	0.03	<0.02	0.03	0.07	0.04	0.07	0.08	0.09	0.04	0.05	0.03	0.12
22-Oct-2025	0.84	1.02	1.22	0.77	0.06	0.13	0.10	0.04	0.04	<0.02	0.05	0.09	0.04	0.08	0.04	0.09	0.06	0.05	0.05	0.13
23-Oct-2025	0.90	1.06	0.78	0.84	0.11	0.18	0.08	0.05	0.06	<0.02	0.07	0.10	0.04	0.08	0.04	0.11	0.05	0.06	0.03	0.14
24-Oct-2025	1.16	1.22	0.75	0.95	0.08	0.17	0.10	0.08	0.13	0.07	0.10	0.11	0.06	0.09	0.06	0.14	0.08	0.07	0.05	0.15
25-Oct-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
26-Oct-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
27-Oct-2025	1.65	1.14	1.57	0.73	0.08	0.13	0.04	0.04	0.09	<0.02	0.06	0.12	0.09	0.08	0.05	0.02	0.04	0.10	0.07	0.06
28-Oct-2025	1.01	0.99	1.26	0.57	0.04	0.11	0.05	0.04	0.14	<0.02	0.06	0.09	0.05	0.10	0.12	0.03	0.05	0.12	0.05	0.06
29-Oct-2025	0.99	0.90	0.75	0.55	0.04	0.12	0.05	0.04	0.04	0.02	0.04	0.11	0.06	0.09	0.04	0.03	0.05	0.15	0.04	0.06
30-Oct-2025	0.89	1.12	0.79	0.60	0.06	0.12	0.06	0.03	0.05	0.02	0.09	0.11	0.09	0.11	0.05	0.03	0.05	0.15	0.04	0.07
31-Oct-2025	0.86	1.16	0.78	0.60	0.04	0.12	0.04	0.04	0.04	0.03	0.04	0.08	0.04	0.11	0.05	0.03	0.04	0.17	0.03	0.07
Total number of measurements taken, A:					22		22		22		22		22		22		22		22	
Turbidity Standard for Monitoring Location (NTU):					0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30	
Number of measurements meeting standard, B:					22		22		22		22		22		22		22		22	
Compliance with Turbidity Standard, C= B/A X 100%:					100%		100%		100%		100%		100%		100%		100%		100%	

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Report Date: November 7, 2025



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT

November 2025 Turbidity (NTU)

Date	RAW Avg		Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
	Tr 1	Tr 2	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/11/2025	0.99	0.61	0.05	0.08	0.02	0.04	0.07	0.10	0.07	0.11	0.10	0.13	0.02	0.04	0.04	0.07	0.04	0.05
2/11/2025	1.24	0.81	0.06	0.09	0.02	0.04	0.07	0.10	0.08	0.11	0.10	0.14	0.02	0.04	0.04	0.06	0.04	0.06
3/11/2025	1.21	0.84	0.06	0.09	0.02	0.05	0.07	0.10	0.08	0.12	0.11	0.14	0.02	0.04	0.03	0.05	0.04	0.06
4/11/2025	1.07	0.70	0.06	0.16	0.01	0.05	0.08	0.10	0.07	0.12	0.13	0.14	0.02	0.05	0.04	0.06	0.05	0.07
5/11/2025	1.04	0.67	0.06	0.10	0.02	0.04	0.07	0.10	0.07	0.12	0.11	0.15	0.02	0.04	0.04	0.05	0.05	0.07
6/11/2025	1.05	0.69	0.08	0.10	0.02	0.04	0.06	0.10	0.07	0.10	0.10	0.14	0.02	0.05	0.03	0.05	0.06	0.07
7/11/2025	1.11	0.78	0.08	0.10	0.02	0.05	0.07	0.09	0.08	0.11	0.11	0.19	0.03	0.08	0.03	0.06	0.05	0.08
8/11/2025	1.12	0.82	0.08	0.11	0.02	0.04	0.08	0.10	0.07	0.11	0.14	0.15	0.03	0.06	0.04	0.06	0.06	0.08
9/11/2025	1.12	0.83	0.08	0.12	0.03	0.05	0.06	0.10	0.07	0.11	0.12	0.17	0.03	0.05	0.04	0.05	0.06	0.08
10/11/2025	1.11	0.91	0.10	0.12	0.02	0.04	0.06	0.10	0.06	0.10	0.13	0.17	0.03	0.05	0.04	0.06	0.07	0.09
11/11/2025	1.15	1.00	0.09	0.12	0.02	0.05	0.06	0.09	0.08	0.11	0.14	0.20	0.04	0.06	0.04	0.06	0.07	0.10
12/11/2025	1.08	0.87	0.09	0.13	0.02	0.05	0.07	0.11	0.07	0.15	0.09	0.18	0.03	0.07	0.04	0.07	0.07	0.10
13/11/2025	1.04	0.74	0.09	0.13	0.02	0.05	0.06	0.10	0.07	0.12	0.05	0.09	0.04	0.06	0.05	0.06	0.07	0.10
14/11/2025	1.02	0.72	0.10	0.12	0.02	0.05	0.06	0.10	0.07	0.10	0.05	0.14	0.03	0.07	0.04	0.07	0.08	0.10
15/11/2025	1.03	0.72	0.08	0.12	0.02	0.05	0.06	0.09	0.09	0.13	0.05	0.08	0.04	0.10	0.05	0.07	0.07	0.10
16/11/2025	1.03	0.75	0.08	0.13	0.02	0.04	0.07	0.12	0.08	0.13	0.06	0.08	0.04	0.07	0.05	0.08	0.08	0.12
17/11/2025	0.99	0.78	0.09	0.12	0.02	0.11	0.06	0.10	0.08	0.13	0.05	0.09	0.04	0.07	0.06	0.07	0.09	0.11
18/11/2025	0.99	0.77	0.10	0.13	0.02	0.05	0.07	0.11	0.10	0.13	0.05	0.08	0.04	0.08	0.05	0.08	0.09	0.12
19/11/2025	1.04	0.77	0.10	0.16	0.02	0.05	0.07	0.09	0.10	0.14	0.05	0.08	0.05	0.07	0.05	0.08	0.09	0.12
20/11/2025	1.06	0.84	0.09	0.14	0.02	0.05	0.06	0.12	0.10	0.16	0.06	0.09	0.05	0.07	0.06	0.08	0.08	0.12
21/11/2025	1.04	0.79	0.11	0.14	0.02	0.04	0.07	0.11	0.11	0.15	0.05	0.08	0.04	0.11	0.06	0.09	0.11	0.12
22/11/2025	1.02	0.79	0.09	0.15	0.02	0.06	0.07	0.10	0.13	0.20	0.05	0.09	0.04	0.06	0.06	0.09	0.09	0.13
23/11/2025	1.01	0.79	0.10	0.15	0.02	0.09	0.08	0.12	0.12	0.18	0.06	0.08	0.04	0.07	0.07	0.10	0.10	0.14
24/11/2025	1.05	0.99	0.10	0.16	0.03	0.05	0.07	0.11	0.13	0.21	0.05	0.09	0.04	0.10	0.08	0.10	0.12	0.14
25/11/2025	1.06	0.95	0.12	0.15	0.03	0.07	0.08	0.13	0.16	0.21	0.06	0.10	0.05	0.11	0.09	0.12	0.13	0.16
26/11/2025	1.02	0.87	0.10	0.15	0.02	0.06	0.07	0.12	0.10	0.23	0.06	0.11	0.05	0.08	0.09	0.12	0.12	0.17
27/11/2025	0.98	0.79	0.10	0.15	0.02	0.05	0.09	0.12	0.04	0.08	0.07	0.10	0.05	0.09	0.09	0.13	0.12	0.17
28/11/2025	0.99	0.81	0.11	0.16	0.03	0.06	0.08	0.14	0.04	0.09	0.06	0.10	0.05	0.09	0.11	0.13	0.13	0.16
29/11/2025	0.97	0.83	0.13	0.16	0.03	0.08	0.08	0.14	0.04	0.08	0.06	0.11	0.05	0.08	0.11	0.14	0.16	0.19
30/11/2025	0.94	0.78	0.12	0.16	0.03	0.06	0.09	0.13	0.05	0.08	0.06	0.11	0.06	0.11	0.11	0.16	0.14	0.19

Total Number of Measurements Taken, A:	16025	16039	15990	16839	16785	16790	15853	15273
Turbidity Standard for Monitoring Location (NTU):	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Number of Measurements Meeting Standard, B:	16025	16039	15990	16839	16785	16790	15853	15273
Compliance with Turbidity Standard, C = B/A X 100%:	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2025\11-November

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water Treatment Plant Turbidity Grab Monitoring Report November 2025

Water System Code: 252.00	Turbidity (NTU)																					
Licence No. PWS-09-412-02 AA																						
Date	Raw Train 1		Raw Train 2		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8			
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser		
01-Nov-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
02-Nov-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
03-Nov-2025	0.93	1.30	0.76	0.92	0.07	0.07	0.05	0.02	0.04	0.08	0.05	0.09	0.05	0.13	0.04	0.03	0.03	0.03	0.03	0.06	0.06	
04-Nov-2025	1.00	1.12	0.74	0.66	0.06	0.07	0.06	0.02	0.05	0.08	0.08	0.11	0.05	0.14	0.04	0.03	0.04	0.03	0.03	0.05	0.06	
05-Nov-2025	0.87	1.14	0.67	0.62	0.09	0.07	0.05	0.05	0.05	0.08	0.04	0.08	0.04	0.09	0.04	0.04	0.04	0.04	0.03	0.04	0.06	
06-Nov-2025	0.86	1.00	0.67	0.65	0.06	0.08	0.07	0.03	0.05	0.08	0.05	0.09	0.06	0.13	0.05	0.03	0.05	0.03	0.05	0.07	0.06	
07-Nov-2025	0.92	1.14	0.75	0.74	0.05	0.09	0.06	0.02	0.07	0.08	0.06	0.10	0.04	0.13	0.05	0.03	0.05	0.03	0.05	0.05	0.08	
08-Nov-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
09-Nov-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
10-Nov-2025	3.29	1.09	4.56	0.84	0.06	0.11	0.07	0.04	0.05	0.08	0.08	0.08	0.05	0.15	0.04	0.04	0.07	0.04	0.05	0.08	0.08	
11-Nov-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
12-Nov-2025	1.12	1.09	0.90	0.96	0.06	0.12	0.05	0.03	0.06	0.08	0.07	0.10	0.05	0.06	0.05	0.04	0.06	0.04	0.05	0.08	0.08	
13-Nov-2025	0.92	1.06	0.86	0.70	0.06	0.10	0.08	0.03	0.08	0.09	0.07	0.09	0.06	0.07	0.05	0.04	0.06	0.04	0.05	0.09	0.09	
14-Nov-2025	0.78	1.01	0.90	0.67	0.05	0.11	0.06	0.04	0.08	0.07	0.05	0.08	0.06	0.07	0.04	0.04	0.05	0.05	0.05	0.09	0.09	
15-Nov-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
16-Nov-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
17-Nov-2025	1.05	0.98	1.92	0.78	0.05	0.10	0.06	0.03	0.11	0.08	0.06	0.09	0.05	0.08	0.04	0.05	0.04	0.05	0.06	0.11	0.11	
18-Nov-2025	0.99	0.99	1.12	0.74	0.05	0.10	0.05	0.04	0.05	0.08	0.05	0.11	0.08	0.05	0.05	0.05	0.08	0.06	0.05	0.11	0.11	
19-Nov-2025	1.03	1.02	0.93	0.71	0.08	0.13	0.04	0.03	0.05	0.08	0.08	0.12	0.07	0.05	0.05	0.08	0.06	0.05	0.07	0.10	0.10	
20-Nov-2025	1.44	1.06	1.03	0.74	0.06	0.11	0.05	0.03	0.05	0.10	0.05	0.12	0.04	0.08	0.04	0.06	0.06	0.05	0.03	0.10	0.10	
21-Nov-2025	0.86	1.05	0.85	0.73	0.05	0.11	0.05	0.04	0.04	0.08	0.05	0.14	0.05	0.08	0.03	0.05	0.07	0.07	0.04	0.12	0.12	
22-Nov-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
23-Nov-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
24-Nov-2025	1.44	1.06	1.25	1.01	0.05	0.11	0.05	0.04	0.04	0.08	0.05	0.16	0.04	0.07	0.04	0.04	0.04	0.07	0.06	0.13	0.13	
25-Nov-2025	0.95	1.05	0.94	0.92	0.07	0.13	0.04	0.04	0.07	0.09	0.05	0.18	0.04	0.08	0.07	0.06	0.07	0.09	0.08	0.15	0.15	
26-Nov-2025	1.00	1.03	1.05	0.91	0.06	0.13	0.04	0.03	0.05	0.09	0.06	0.19	0.07	0.07	0.06	0.06	0.04	0.09	0.04	0.10	0.10	
27-Nov-2025	0.78	0.99	0.82	0.76	0.04	0.12	0.05	0.03	0.05	0.10	0.06	0.06	0.04	0.07	0.05	0.06	0.05	0.09	0.08	0.15	0.15	
28-Nov-2025	0.83	0.97	0.87	0.77	0.05	0.13	0.05	0.04	0.07	0.13	0.05	0.04	0.05	0.09	0.05	0.06	0.05	0.10	0.05	0.16	0.16	
29-Nov-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
30-Nov-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
Total number of measurements taken, A:					19		19		19		19		19		19		19		19		19	
Turbidity Standard for Monitoring Location (NTU):					0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30	
Number of measurements meeting standard, B:					19		19		19		19		19		19		19		19		19	
Compliance with Turbidity Standard, C= B/A X 100%:					100%		100%		100%		100%		100%		100%		100%		100%		100%	

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Report Date: December 5, 2025



CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-03

WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT

December 2025 Turbidity (NTU)

Date	RAW Avg		Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
	Tr 1	Tr 2	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/12/2025	0.92	0.80	0.12	0.18	0.03	0.07	0.11	0.15	0.04	0.08	0.08	0.11	0.06	0.10	0.12	0.18	0.12	0.18
2/12/2025	0.93	0.83	0.12	0.18	0.04	0.08	0.10	0.16	0.04	0.10	0.07	0.14	0.06	0.11	0.15	0.29	0.04	0.06
3/12/2025	0.92	0.85	0.15	0.17	0.03	0.06	0.11	0.17	0.04	0.09	0.08	0.13	0.07	0.11	0.15	0.20	0.06	0.09
4/12/2025	0.93	0.84	0.08	0.19	0.03	0.09	0.07	0.19	0.04	0.12	0.08	0.24	0.06	0.19	0.08	0.24	0.05	0.24
5/12/2025	0.99	0.76	0.12	0.19	0.09	0.11	0.09	0.16	0.05	0.12	0.10	0.16	0.04	0.09	0.05	0.09	0.03	0.07
6/12/2025	0.97	0.77	0.11	0.18	0.06	0.15	0.09	0.18	0.05	0.16	0.11	0.17	0.05	0.11	0.05	0.10	0.05	0.10
7/12/2025	0.96	0.77	0.08	0.15	0.05	0.11	0.09	0.19	0.08	0.14	0.12	0.18	0.06	0.09	0.06	0.11	0.05	0.10
8/12/2025	0.97	0.83	0.08	0.14	0.05	0.10	0.12	0.17	0.06	0.14	0.13	0.16	0.07	0.13	0.06	0.12	0.06	0.14
9/12/2025	0.92	0.78	0.06	0.16	0.05	0.14	0.09	0.22	0.05	0.13	0.10	0.16	0.05	0.10	0.06	0.09	0.05	0.08
10/12/2025	0.89	0.69	0.07	0.11	0.04	0.09	0.09	0.17	0.05	0.09	0.10	0.16	0.05	0.09	0.05	0.11	0.06	0.11
11/12/2025	0.85	0.66	0.08	0.14	0.05	0.11	0.10	0.13	0.07	0.13	0.10	0.17	0.06	0.08	0.05	0.11	0.05	0.10
12/12/2025	0.84	0.64	0.09	0.18	0.05	0.11	0.13	0.20	0.07	0.15	0.13	0.15	0.06	0.11	0.06	0.11	0.06	0.13
13/12/2025	0.82	0.62	0.09	0.19	0.06	0.10	0.11	0.19	0.06	0.16	0.12	0.18	0.05	0.10	0.06	0.07	0.05	0.12
14/12/2025	0.80	0.61	0.10	0.14	0.05	0.12	0.10	0.18	0.04	0.14	0.11	0.17	0.04	0.08	0.05	0.12	0.06	0.12
15/12/2025	0.80	0.60	0.08	0.15	0.03	0.07	0.09	0.18	0.04	0.11	0.10	0.16	0.03	0.06	0.04	0.07	0.04	0.09
16/12/2025	0.78	0.59	0.08	0.15	0.03	0.09	0.11	0.14	0.04	0.11	0.12	0.14	0.03	0.07	0.04	0.08	0.04	0.08
17/12/2025	0.76	0.58	0.09	0.16	0.05	0.07	0.10	0.18	0.04	0.11	0.11	0.16	0.04	0.08	0.05	0.06	0.04	0.05
18/12/2025	0.75	0.57	0.09	0.12	0.04	0.08	0.10	0.18	0.03	0.07	0.11	0.17	0.03	0.08	0.05	0.09	0.05	0.09
19/12/2025	0.74	0.55	0.09	0.16	0.05	0.11	0.12	0.15	0.05	0.12	0.10	0.17	0.04	0.07	0.05	0.10	0.05	0.10
20/12/2025	0.75	0.54	0.10	0.17	0.05	0.08	0.12	0.20	0.05	0.12	0.13	0.18	0.04	0.09	0.05	0.11	0.05	0.10
21/12/2025	0.75	0.54	0.08	0.16	0.04	0.09	0.10	0.18	0.04	0.11	0.11	0.16	0.04	0.09	0.06	0.08	0.05	0.06
22/12/2025	0.73	0.53	0.10	0.15	0.04	0.09	0.11	0.21	0.04	0.08	0.11	0.16	0.04	0.09	0.06	0.11	0.05	0.09
23/12/2025	0.73	0.53	0.09	0.16	0.04	0.10	0.12	0.15	0.05	0.12	0.10	0.15	0.04	0.07	0.06	0.11	0.05	0.10
24/12/2025	0.73	0.52	0.08	0.16	0.04	0.07	0.12	0.21	0.05	0.12	0.10	0.14	0.04	0.09	0.06	0.13	0.04	0.10
25/12/2025	0.72	0.52	0.07	0.10	0.04	0.10	0.12	0.22	0.05	0.13	0.09	0.15	0.04	0.08	0.09	0.13	0.05	0.06
26/12/2025	0.72	0.51	0.09	0.16	0.04	0.10	0.12	0.22	0.06	0.09	0.09	0.14	0.03	0.07	0.07	0.14	0.04	0.10
27/12/2025	0.68	0.50	0.07	0.13	0.03	0.10	0.13	0.16	0.05	0.11	0.08	0.11	0.04	0.08	0.07	0.13	0.04	0.10
28/12/2025	0.69	0.50	0.07	0.13	0.04	0.06	0.12	0.21	0.05	0.11	0.10	0.14	0.04	0.08	0.08	0.10	0.04	0.10
29/12/2025	0.68	0.51	0.07	0.13	0.04	0.09	0.12	0.21	0.04	0.12	0.10	0.16	0.04	0.09	0.10	0.14	0.05	0.06
30/12/2025	0.67	0.49	0.08	0.11	0.03	0.06	0.10	0.17	0.04	0.07	0.09	0.15	0.04	0.06	0.09	0.15	0.05	0.10
31/12/2025	0.66	0.49	0.07	0.13	0.04	0.09	0.10	0.13	0.05	0.12	0.10	0.13	0.06	0.09	0.09	0.15	0.05	0.10

Total Number of Measurements Taken, A:	16418	16317	16498	17382	17324	17257	16327	15416
Turbidity Standard for Monitoring Location (NTU):	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Number of Measurements Meeting Standard, B:	16418	16317	16498	17382	17324	17257	16327	15416
Compliance with Turbidity Standard, C = B/A X 100%:	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2025\12-December

Submitted By (Print): D. Merredew

Signature: Original signed by D. Merredew



Water Treatment Plant Turbidity Grab Monitoring Report
December 2025

Water System Code: 252.00	Turbidity (NTU)																				
	Licence No. PWS-09-412-03																				
Date	Raw Train 1		Raw Train 2		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8		
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	
01-Dec-2025	1.35	0.92	1.02	0.77	0.06	0.12	0.06	0.03	0.05	0.12	0.07	0.06	0.05	0.08	0.05	0.08	0.08	0.12	0.04	0.19	
02-Dec-2025	0.77	0.90	0.86	0.79	0.05	0.15	0.06	0.05	0.08	0.14	0.06	0.04	0.06	0.10	0.05	0.07	0.05	0.14	0.06	0.05	
03-Dec-2025	1.03	0.89	1.43	0.81	0.07	0.15	0.07	0.06	0.05	0.12	0.06	0.06	0.06	0.12	0.05	0.08	0.06	0.17	0.06	0.07	
04-Dec-2025	1.49	0.88	1.63	0.80	0.08	0.17	0.05	0.04	0.05	0.14	0.07	0.06	0.05	0.09	0.05	0.08	0.04	0.16	0.22	0.16	
05-Dec-2025	0.90	0.99	1.38	0.74	0.09	0.14	0.09	0.10	0.13	0.13	0.08	0.05	0.09	0.12	0.10	0.07	0.07	0.04	0.08	0.05	
06-Dec-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
07-Dec-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
08-Dec-2025	nr	0.95	nr	0.84	nr	0.13	nr	0.05	nr	0.11	nr	0.10	nr	0.14	nr	0.09	nr	0.06	nr	0.08	
09-Dec-2025	1.81	0.93	2.16	0.83	0.12	0.06	0.12	0.05	0.16	0.13	0.11	0.05	0.15	0.14	0.19	0.09	0.14	0.05	0.14	0.06	
10-Dec-2025	1.16	0.87	2.15	0.67	0.13	0.07	0.13	0.06	0.12	0.10	0.12	0.06	0.10	0.11	0.10	0.05	0.15	0.05	0.11	0.07	
11-Dec-2025	0.73	0.84	0.77	0.64	0.13	0.10	0.08	0.05	0.11	0.11	0.12	0.07	0.10	0.12	0.10	0.06	0.09	0.04	0.15	0.10	
12-Dec-2025	0.67	0.83	1.14	0.61	0.13	0.08	0.14	0.06	0.15	0.14	0.22	0.13	0.13	0.13	0.14	0.08	0.10	0.05	0.13	0.06	
13-Dec-2025	0.82	0.91	1.29	0.61	0.15	0.10	0.14	0.06	0.15	0.13	0.20	0.16	0.11	0.14	0.16	0.08	0.13	0.05	0.14	0.06	
14-Dec-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
15-Dec-2025	0.84	0.77	1.17	0.55	0.10	0.10	0.08	0.03	0.09	0.10	0.10	0.04	0.09	0.12	0.12	0.05	0.09	0.05	0.10	0.07	
16-Dec-2025	0.64	0.77	0.68	0.56	0.10	0.08	0.10	0.04	0.17	0.12	0.10	0.05	0.08	0.13	0.10	0.05	0.10	0.03	0.08	0.05	
17-Dec-2025	0.51	0.74	0.77	0.55	0.10	0.09	0.11	0.05	0.14	0.14	0.13	0.04	0.12	0.14	0.16	0.07	0.08	0.04	0.07	0.05	
18-Dec-2025	0.63	0.74	0.79	0.53	0.11	0.10	0.17	0.08	0.10	0.10	0.14	0.04	0.16	0.13	0.23	0.05	0.20	0.06	0.10	0.06	
19-Dec-2025	0.64	0.72	0.73	0.52	0.13	0.12	0.09	0.05	0.12	0.12	0.11	0.05	0.06	0.12	0.09	0.05	0.14	0.04	0.12	0.09	
20-Dec-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
21-Dec-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
22-Dec-2025	0.57	0.73	0.72	0.44	0.10	0.10	0.11	0.06	0.11	0.12	0.12	0.05	0.09	0.14	0.08	0.04	0.10	0.08	0.09	0.07	
23-Dec-2025	0.84	0.72	0.83	0.50	0.13	0.12	0.09	0.05	0.11	0.12	0.11	0.05	0.10	0.13	0.10	0.05	0.06	0.06	0.07	0.08	
24-Dec-2025	0.73	0.70	0.68	0.49	0.12	0.08	0.11	0.04	0.14	0.13	0.09	0.04	0.08	0.10	0.12	0.08	0.08	0.06	0.07	0.05	
25-Dec-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
26-Dec-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
27-Dec-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
28-Dec-2025	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
29-Dec-2025	0.71	0.67	1.33	0.47	0.11	0.09	0.12	0.05	0.20	0.20	0.11	0.04	0.16	0.16	0.11	0.05	0.10	0.09	0.10	0.06	
30-Dec-2025	0.73	0.68	1.01	0.48	0.11	0.07	0.13	0.05	0.10	0.13	0.12	0.04	0.10	0.10	0.10	0.05	0.14	0.12	0.11	0.07	
31-Dec-2025	0.51	0.64	0.58	0.47	0.15	0.13	0.09	0.04	0.13	0.11	0.13	0.07	0.08	0.11	0.11	0.07	0.07	0.09	0.08	0.06	
Total number of measurements taken, A:					21		21		21		21		21		21		21		21		
Turbidity Standard for Monitoring Location (NTU):					0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30		
Number of measurements meeting standard, B:					21		21		21		21		21		21		21		21		
Compliance with Turbidity Standard, C= B/A X 100%:					100%		100%		100%		100%		100%		100%		100%		100%		

na: not analyzed nr: no result ns: no sample o/l: offline im: instrument maintenance

Comments:

Report Date: January 7, 2026

2025 MONTHLY UV SUMMARY REPORTS



CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
WATER SERVICES

Water System Code: **252.00**
 Licence Number: **PWS-09-412-02-AA**

WATER TREATMENT PLANT UV REPORT

Report Period: **January 2025**

Report Created: **Saturday, February 01, 2025**

Date	UVR-D100A		UVR-D200A		UVR-D300A		UVR-D400A		UVR-D500A		UVR-D600A		Total		% Volume Treated To Dose
	Water Volume		Water Volume [ML]		Water Volume		Water Volume [ML]		Water Volume		Water Volume		Water Volume [ML]		
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
01/01/2025	0.00	0.00	0.00	0.00	0.00	0.00	87.44	87.44	OL	OL	95.55	95.55	182.98	182.98	100.00
02/01/2025	0.00	0.00	0.00	0.00	0.00	0.00	86.81	86.81	OL	OL	96.21	96.21	183.02	183.02	100.00
03/01/2025	0.00	0.00	0.00	0.00	0.00	0.00	87.77	87.77	OL	OL	97.41	97.41	185.18	185.18	100.00
04/01/2025	0.00	0.00	0.00	0.00	0.00	0.00	95.16	95.16	OL	OL	90.74	90.74	185.91	185.91	100.00
05/01/2025	0.00	0.00	0.00	0.00	0.00	0.00	98.38	98.38	OL	OL	88.59	88.59	186.97	186.97	100.00
06/01/2025	0.00	0.00	0.00	0.00	0.00	0.00	99.80	99.80	OL	OL	90.16	90.16	189.96	189.96	100.00
07/01/2025	0.00	0.00	0.00	0.00	0.00	0.00	99.98	99.98	OL	OL	90.03	90.03	190.01	190.01	100.00
08/01/2025	0.00	0.00	0.00	0.00	0.00	0.00	100.66	100.66	OL	OL	89.40	89.40	190.05	190.05	100.00
09/01/2025	0.00	0.00	0.00	0.00	0.00	0.00	100.12	100.12	OL	OL	88.64	88.64	188.75	188.75	100.00
10/01/2025	0.00	0.00	0.00	0.00	39.11	39.11	107.43	107.43	OL	OL	36.47	36.47	183.02	183.02	100.00
11/01/2025	0.00	0.00	0.00	0.00	67.35	67.35	115.57	115.57	OL	OL	0.00	0.00	182.92	182.92	100.00
12/01/2025	0.00	0.00	0.00	0.00	67.40	67.40	115.60	115.60	OL	OL	0.00	0.00	183.00	183.00	100.00
13/01/2025	0.00	0.00	64.14	64.14	83.20	83.20	43.04	43.04	OL	OL	0.00	0.00	190.38	190.38	100.00
14/01/2025	0.00	0.00	102.14	102.14	90.87	90.87	0.00	0.00	OL	OL	0.00	0.00	193.01	193.01	100.00
15/01/2025	0.00	0.00	70.52	70.52	60.93	60.93	0.16	0.39	OL	OL	0.00	0.00	131.61	131.84	99.83
16/01/2025	0.00	0.00	98.81	98.81	87.99	87.99	0.00	0.00	OL	OL	0.00	0.00	186.80	186.80	100.00
17/01/2025	0.06	0.06	97.58	99.19	90.41	90.50	0.16	0.17	OL	OL	0.00	0.00	188.21	189.93	99.10
18/01/2025	0.00	0.00	99.01	99.01	91.99	91.99	0.00	0.00	OL	OL	0.00	0.00	191.00	191.00	100.00
19/01/2025	0.00	0.00	99.07	99.07	91.93	91.93	0.00	0.00	OL	OL	0.00	0.00	191.00	191.00	100.00
20/01/2025	0.00	0.00	98.38	98.38	91.29	91.29	0.00	0.00	OL	OL	0.41	0.54	190.09	190.22	99.93
21/01/2025	0.00	0.00	98.52	98.52	32.14	32.14	0.00	0.00	OL	OL	55.32	55.32	185.99	185.99	100.00
22/01/2025	0.00	0.00	98.91	98.91	1.04	1.38	0.00	0.00	OL	OL	85.56	85.56	185.52	185.86	99.82
23/01/2025	0.00	0.00	97.88	97.88	0.00	0.00	42.77	42.77	OL	OL	45.37	45.39	186.01	186.03	99.99
24/01/2025	0.00	0.00	96.03	96.03	0.00	0.00	89.97	89.97	OL	OL	0.00	0.00	186.00	186.00	100.00
25/01/2025	0.00	0.00	96.06	96.06	0.00	0.00	89.95	89.95	OL	OL	0.00	0.00	186.00	186.00	100.00
26/01/2025	0.00	0.00	95.99	95.99	0.00	0.00	89.36	89.36	OL	OL	0.00	0.00	185.34	185.34	100.00
27/01/2025	0.00	0.00	97.06	97.06	0.00	0.00	88.92	88.92	OL	OL	0.00	0.00	185.98	185.98	100.00
28/01/2025	0.00	0.00	97.07	97.07	0.00	0.00	88.94	88.94	OL	OL	0.00	0.00	186.01	186.01	100.00
29/01/2025	0.00	0.00	97.05	97.05	0.00	0.00	88.95	88.95	OL	OL	0.00	0.00	186.00	186.00	100.00
30/01/2025	0.00	0.00	96.93	96.93	0.00	0.00	88.90	88.90	OL	OL	0.00	0.00	185.83	185.83	100.00
31/01/2025	0.00	0.00	97.28	97.28	0.00	0.00	89.35	89.35	OL	OL	0.00	0.00	186.63	186.63	100.00
Total [ML]:	0.06	0.06	1798.42	1800.03	895.65	896.08	1995.18	1995.42	OL	OL	1049.86	1050.01	5739.17	5741.61	

Water Volume [%]:

To Dose per reactor	99.94 %	99.91 %	99.95 %	99.99 %	OL %	99.99 %
To Dose Total	99.96 %					

Notes: 1. Target Log value: 2.00

Submitted By (Print): D. Merredew

Signature: _original signed by D. Merredew_



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: January 2025

Report Created: Saturday, February 01, 2025

Date	Transmittance (%)				UVR_D100A [Log]		UVR_D200A [Log]		UVR_D300A [Log]		UVR_D400A [Log]		UVR_D500A [Log]		UVR_D600A [Log]	
	Branch 1		Branch 2		Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
	Avg.	Min.	Avg.	Min.												
01/01/2025	93.2	83.5	93.5	93.1	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL	2.5	2.1
02/01/2025	93.2	83.2	93.2	92.9	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	2.5	2.3
03/01/2025	93.2	85.3	93.0	92.6	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	2.5	2.3
04/01/2025	93.1	69.0	92.8	91.9	OL	OL	OL	OL	OL	OL	2.5	1.9	OL	OL	2.5	1.9
05/01/2025	93.2	87.0	92.5	92.2	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL	2.5	2.2
06/01/2025	93.1	90.5	92.3	91.9	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL	2.5	2.3
07/01/2025	93.0	85.9	92.1	91.4	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL	2.5	2.3
08/01/2025	92.9	88.2	91.9	91.6	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	2.5	2.3
09/01/2025	92.7	87.4	91.6	91.0	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL	2.5	2.2
10/01/2025	92.8	81.5	92.3	91.1	OL	OL	OL	OL	3.3	0.0	2.5	2.3	OL	OL	2.5	2.2
11/01/2025	92.9	82.9	93.3	93.0	OL	OL	OL	OL	3.3	3.2	2.5	2.4	OL	OL	OL	OL
12/01/2025	92.9	88.0	93.3	93.1	OL	OL	OL	OL	3.4	3.2	2.5	2.3	OL	OL	OL	OL
13/01/2025	92.9	78.1	93.3	93.0	OL	OL	3.1	0.0	3.0	2.6	2.5	2.3	OL	OL	OL	OL
14/01/2025	92.7	89.7	93.1	92.6	OL	OL	2.5	2.1	2.8	2.6	OL	OL	OL	OL	OL	OL
15/01/2025	92.0	0.0	92.6	91.7	OL	OL	3.3	0.0	2.9	0.0	2.4	0.0	OL	OL	OL	OL
16/01/2025	92.8	92.0	92.8	92.5	OL	OL	2.7	1.9	2.5	2.3	OL	OL	OL	OL	OL	OL
17/01/2025	92.7	91.7	92.3	90.6	2.2	0.0	3.4	0.0	2.6	0.0	2.5	0.0	OL	OL	OL	OL
18/01/2025	92.5	91.9	92.0	91.4	OL	OL	3.1	2.2	2.5	2.3	OL	OL	OL	OL	OL	OL
19/01/2025	92.6	91.4	91.9	91.4	OL	OL	2.5	2.2	2.5	2.3	OL	OL	OL	OL	OL	OL
20/01/2025	92.1	91.5	91.0	90.3	OL	OL	2.5	2.3	2.5	2.2	OL	OL	OL	OL	2.5	0.0
21/01/2025	91.9	91.4	90.2	89.4	OL	OL	2.5	2.3	2.4	0.0	OL	OL	OL	OL	2.8	0.0
22/01/2025	91.8	91.2	89.4	88.6	OL	OL	2.5	2.3	2.6	0.0	OL	OL	OL	OL	2.5	2.3
23/01/2025	91.9	89.8	88.4	87.1	OL	OL	2.5	2.3	OL	OL	2.9	0.0	OL	OL	2.5	0.0
24/01/2025	92.7	91.4	91.4	86.9	OL	OL	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL
25/01/2025	92.8	92.4	93.2	92.1	OL	OL	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL
26/01/2025	92.7	92.2	93.1	92.7	OL	OL	2.5	2.1	OL	OL	2.5	2.1	OL	OL	OL	OL
27/01/2025	92.8	92.4	93.2	92.7	OL	OL	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL
28/01/2025	92.7	92.3	93.1	92.6	OL	OL	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL
29/01/2025	92.8	92.0	93.2	92.6	OL	OL	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL
30/01/2025	92.9	92.6	93.3	92.9	OL	OL	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL
31/01/2025	93.0	91.9	93.4	93.1	OL	OL	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL

- Notes:
- UV target value is 2.00 [Log]
 - OL - Off Line

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
WATER SERVICES

Water System Code: **252.00**
 Licence Number: **PWS-09-412-02-AA**

WATER TREATMENT PLANT UV REPORT

Report Period: **February 2025**

Report Created: **Saturday, March 01, 2025**

Date	UVR-D100A Water Volume		UVR-D200A Water Volume [ML]		UVR-D300A Water Volume		UVR-D400A Water Volume [ML]		UVR-D500A Water Volume		UVR-D600A Water Volume		Total Water Volume [ML]		% Volume Treated To Dose
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
	01/02/2025	0.00	0.00	98.62	98.62	0.00	0.00	90.37	90.37	0.00	0.00	0.00	0.00	188.99	
02/02/2025	0.00	0.00	98.61	98.61	0.00	0.00	90.13	90.13	0.00	0.00	0.00	0.00	188.74	188.74	100.00
03/02/2025	0.00	0.00	98.59	98.59	0.00	0.00	90.40	90.40	0.00	0.00	0.00	0.00	189.00	189.00	100.00
04/02/2025	0.00	0.00	98.55	98.55	0.00	0.00	90.45	90.45	0.00	0.00	0.00	0.00	189.00	189.00	100.00
05/02/2025	0.00	0.00	98.52	98.52	0.00	0.00	90.47	90.47	0.00	0.00	0.00	0.00	189.00	189.00	100.00
06/02/2025	0.00	0.00	98.24	98.24	0.00	0.00	90.26	90.26	0.00	0.00	0.00	0.00	188.49	188.49	100.00
07/02/2025	0.00	0.00	97.49	97.49	0.00	0.00	89.49	89.49	0.00	0.00	0.00	0.00	186.99	186.99	100.00
08/02/2025	0.00	0.00	97.52	97.52	0.00	0.00	89.47	89.47	0.00	0.00	0.00	0.00	187.00	187.00	100.00
09/02/2025	0.00	0.00	97.49	97.49	0.00	0.00	89.50	89.50	0.00	0.00	0.00	0.00	187.00	187.00	100.00
10/02/2025	0.00	0.00	97.46	97.46	0.00	0.00	89.54	89.54	0.00	0.00	0.00	0.00	187.00	187.00	100.00
11/02/2025	0.00	0.00	63.17	63.17	0.00	0.00	92.62	92.62	31.23	31.23	0.00	0.00	187.02	187.02	100.00
12/02/2025	0.00	0.00	0.00	0.00	0.00	0.00	98.30	98.30	88.70	88.70	0.00	0.00	187.00	187.00	100.00
13/02/2025	0.00	0.00	0.00	0.00	0.00	0.00	98.32	98.32	88.70	88.70	0.00	0.00	187.02	187.02	100.00
14/02/2025	0.00	0.00	0.00	0.00	0.00	0.00	98.29	98.29	88.71	88.71	0.00	0.00	187.00	187.00	100.00
15/02/2025	0.00	0.00	0.00	0.00	0.00	0.00	97.19	97.19	87.82	87.82	0.00	0.00	185.01	185.01	100.00
16/02/2025	23.02	23.02	0.00	0.00	0.00	0.00	72.89	73.23	43.50	43.50	45.24	45.24	184.65	184.99	99.82
17/02/2025	93.19	93.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.80	91.80	184.99	184.99	100.00
18/02/2025	94.06	94.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.97	90.97	185.03	185.03	100.00
19/02/2025	94.53	94.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.42	90.42	184.95	184.95	100.00
20/02/2025	94.78	94.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.18	90.18	184.97	184.97	100.00
21/02/2025	94.92	94.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.07	90.07	184.98	184.98	100.00
22/02/2025	95.18	95.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.85	89.85	185.03	185.03	100.00
23/02/2025	95.21	95.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.80	89.80	185.01	185.01	100.00
24/02/2025	93.16	93.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.13	88.13	181.30	181.30	100.00
25/02/2025	93.04	93.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.80	91.80	184.85	184.85	100.00
26/02/2025	94.79	94.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.57	93.57	188.36	188.36	100.00
27/02/2025	97.65	97.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.33	94.33	191.98	191.98	100.00
28/02/2025	98.32	98.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.75	92.75	191.06	191.06	100.00
Total [ML]:	1161.86	1161.86	1044.28	1044.28	0.00	0.00	1457.69	1458.03	428.67	428.67	1138.90	1138.90	5231.39	5231.73	

Water Volume [%]:															
To Dose per reactor	100.00	%	100.00	%	OL	99.98	%	100.00	%	100.00	%				
To Dose Total	99.99	%													

- Notes:**
1. Target Log value: 2.00
 2. OL - Off Line

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: February 2025

Report Created: Saturday, March 01, 2025

Date	Transmittance (%)				UVR_D100A [Log]		UVR_D200A [Log]		UVR_D300A [Log]		UVR_D400A [Log]		UVR_D500A [Log]		UVR_D600A [Log]	
	Branch 1		Branch 2		Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
	Avg.	Min.	Avg.	Min.												
01/02/2025	92.9	92.5	93.3	93.1	OL	OL	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL
02/02/2025	92.8	92.4	93.2	92.7	OL	OL	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL
03/02/2025	92.5	92.1	93.0	92.7	OL	OL	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL
04/02/2025	92.5	92.0	92.9	92.4	OL	OL	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL
05/02/2025	92.4	91.9	92.8	92.3	OL	OL	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL
06/02/2025	92.4	92.1	92.8	92.3	OL	OL	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL
07/02/2025	92.3	91.2	92.7	92.2	OL	OL	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL
08/02/2025	92.3	91.7	92.7	92.2	OL	OL	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL
09/02/2025	92.3	92.0	92.7	92.2	OL	OL	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL
10/02/2025	92.3	91.8	92.6	92.2	OL	OL	2.5	2.3	OL	OL	2.5	2.2	OL	OL	OL	OL
11/02/2025	92.3	91.5	92.7	92.4	OL	OL	2.5	0.0	OL	OL	2.5	2.2	3.1	0.0	OL	OL
12/02/2025	92.3	91.8	92.7	92.3	OL	OL	OL	OL	OL	OL	2.5	2.2	2.5	2.3	OL	OL
13/02/2025	92.2	91.7	92.6	92.3	OL	OL	OL	OL	OL	OL	2.5	2.2	2.5	2.3	OL	OL
14/02/2025	92.1	91.7	92.6	92.2	OL	OL	OL	OL	OL	OL	2.5	2.2	3.0	2.2	OL	OL
15/02/2025	92.1	91.7	92.6	92.1	OL	OL	OL	OL	OL	OL	2.5	2.2	3.5	3.3	OL	OL
16/02/2025	92.1	91.6	92.5	92.3	2.7	0.0	OL	OL	OL	OL	2.5	0.0	3.5	0.0	2.8	0.0
17/02/2025	92.2	91.4	92.5	91.7	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.2
18/02/2025	91.7	91.1	92.2	91.5	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
19/02/2025	91.6	90.9	92.0	91.6	2.5	2.2	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
20/02/2025	91.5	91.0	91.8	91.3	2.5	2.2	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
21/02/2025	91.7	91.5	92.1	91.8	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
22/02/2025	91.7	91.3	92.1	91.8	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
23/02/2025	91.5	90.8	91.8	91.4	2.5	2.2	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
24/02/2025	90.7	89.5	91.1	90.0	2.5	2.0	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
25/02/2025	92.6	91.6	92.9	92.1	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.2
26/02/2025	93.0	92.4	93.2	92.6	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
27/02/2025	92.9	92.3	92.8	91.9	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
28/02/2025	92.6	92.0	92.0	91.2	2.5	2.2	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.2

Notes: 1. UV target value is 2.00 [Log]
 2. OL - Off Line

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: **252.00**
 Licence Number: **PWS-09-412-02-AA**

WATER TREATMENT PLANT UV REPORT

Report Period: **March 2025**

Report Created: **Tuesday, April 01, 2025**

Date	UVR-D100A		UVR-D200A		UVR-D300A		UVR-D400A		UVR-D500A		UVR-D600A		Total		% Volume Treated To Dose
	Water Volume		Water Volume [ML]		Water Volume		Water Volume [ML]		Water Volume		Water Volume		Water Volume [ML]		
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
01/03/2025	96.26	96.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.75	90.75	187.01	187.01	100.00
02/03/2025	96.33	96.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.96	90.96	187.29	187.29	100.00
03/03/2025	98.62	98.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.01	93.01	191.64	191.64	100.00
04/03/2025	74.17	74.17	0.00	0.00	27.68	27.68	0.68	0.68	0.00	0.00	90.47	90.47	193.00	193.00	100.00
05/03/2025	0.41	0.41	0.00	0.00	65.64	65.64	0.00	0.00	0.00	0.00	71.49	71.54	137.53	137.58	99.97
06/03/2025	0.80	0.80	0.47	1.36	84.18	84.18	0.00	0.00	9.19	9.19	94.47	94.47	189.12	190.01	99.53
07/03/2025	2.41	2.41	49.45	50.42	12.82	12.82	0.00	0.00	25.09	25.09	99.27	99.27	189.04	190.01	99.49
08/03/2025	0.00	0.00	98.36	98.36	0.00	0.00	0.00	0.00	0.00	0.00	87.88	87.88	186.24	186.24	100.00
09/03/2025	0.00	0.00	97.69	97.69	0.00	0.00	0.00	0.00	0.00	0.00	88.08	88.08	185.77	185.77	100.00
10/03/2025	0.00	0.00	100.59	100.59	0.00	0.00	11.16	11.16	37.21	37.21	42.40	42.40	191.36	191.36	100.00
11/03/2025	0.00	0.00	101.56	101.56	0.00	0.00	0.00	0.00	91.41	91.41	0.00	0.00	192.97	192.97	100.00
12/03/2025	0.00	0.00	106.74	106.74	0.00	0.00	0.00	0.00	94.92	94.92	0.00	0.00	201.65	201.65	100.00
13/03/2025	0.00	0.00	108.59	108.59	0.00	0.00	0.00	0.00	97.42	97.42	0.00	0.00	206.01	206.01	100.00
14/03/2025	0.00	0.00	108.41	108.41	0.00	0.00	0.00	0.00	97.57	97.57	0.00	0.00	205.98	205.98	100.00
15/03/2025	0.00	0.00	110.13	110.13	0.00	0.00	0.00	0.00	98.22	98.22	0.00	0.00	208.35	208.35	100.00
16/03/2025	0.00	0.00	111.26	111.26	0.00	0.00	0.00	0.00	99.17	99.17	0.00	0.00	210.43	210.43	100.00
17/03/2025	0.00	0.00	108.32	108.32	0.00	0.00	0.00	0.00	96.68	96.68	0.00	0.00	204.99	204.99	100.00
18/03/2025	0.00	0.00	109.22	109.22	0.00	0.00	0.00	0.00	96.99	96.99	0.00	0.00	206.21	206.21	100.00
19/03/2025	0.00	0.00	59.30	59.30	0.00	0.00	0.00	0.00	50.67	50.67	0.00	0.00	109.97	109.97	100.00
20/03/2025	0.00	0.00	102.69	102.69	0.00	0.00	0.00	0.00	2.17	2.17	89.63	89.70	194.49	194.55	99.97
21/03/2025	0.00	0.00	100.70	100.70	0.00	0.00	0.00	0.00	0.00	0.00	90.96	90.96	191.66	191.66	100.00
22/03/2025	0.00	0.00	105.54	105.54	0.00	0.00	0.00	0.00	0.00	0.00	92.47	92.47	198.01	198.01	100.00
23/03/2025	0.00	0.00	105.55	105.55	0.00	0.00	0.00	0.00	0.00	0.00	92.46	92.46	198.01	198.01	100.00
24/03/2025	0.00	0.00	57.83	57.83	0.00	0.00	22.05	22.05	0.00	0.00	66.86	66.86	146.74	146.74	100.00
25/03/2025	0.00	0.00	0.00	0.00	0.00	0.00	99.30	99.30	0.00	0.00	94.17	94.17	193.47	193.47	100.00
26/03/2025	0.00	0.00	0.00	0.00	0.00	0.00	100.58	100.58	62.43	62.43	36.09	36.09	199.11	199.11	100.00
27/03/2025	0.00	0.00	0.00	0.00	0.00	0.00	98.43	98.43	96.40	96.40	0.00	0.00	194.83	194.83	100.00
28/03/2025	0.00	0.00	0.00	0.00	0.00	0.00	94.28	94.28	92.58	92.58	0.00	0.00	186.85	186.85	100.00
29/03/2025	0.00	0.00	0.00	0.00	0.00	0.00	91.32	91.32	89.81	89.81	0.00	0.00	181.12	181.12	100.00
30/03/2025	0.00	0.00	0.00	0.00	0.00	0.00	92.79	92.79	91.20	91.20	0.00	0.00	183.98	183.98	100.00
31/03/2025	0.00	0.00	0.00	0.00	0.00	0.00	93.60	93.60	90.43	90.43	0.00	0.00	184.03	184.03	100.00
Total [ML]:	369.00	369.00	1742.39	1744.25	190.32	190.32	704.19	704.19	1419.54	1419.54	1411.43	1411.54	5836.86	5838.83	

Water Volume [%]:							
To Dose per reactor	100.00 %	99.89 %	100.00 %	100.00 %	100.00 %	99.99 %	
To Dose Total	99.97 %						

Notes: 1. Target Log value: 2.00

Submitted By (Print): H. Buhler

Signature: _original signed by H. Buhler



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: **252.00**
 Licence Number: **PWS-09-412-02-AA**

WATER TREATMENT PLANT UV REPORT

Report Period: **March 2025**

Report Created: **Tuesday, April 01, 2025**

Date	Transmittance (%)				UVR_D100A [Log]		UVR_D200A [Log]		UVR_D300A [Log]		UVR_D400A [Log]		UVR_D500A [Log]		UVR_D600A [Log]	
	Branch 1		Branch 2		Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
	Avg.	Min.	Avg.	Min.												
01/03/2025	92.2	91.7	90.2	88.0	2.5	2.2	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
02/03/2025	91.4	90.3	91.2	86.5	2.5	2.2	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.2
03/03/2025	91.5	89.5	93.4	93.1	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.2
04/03/2025	93.0	92.3	93.4	92.9	2.5	2.3	OL	OL	3.1	0.0	2.0	0.0	OL	OL	2.5	0.0
05/03/2025	88.4	0.0	93.0	89.7	2.4	0.0	OL	OL	2.8	0.0	OL	OL	OL	OL	2.5	0.0
06/03/2025	92.0	90.4	93.3	91.2	23.6	0.0	1.1	0.0	2.5	0.0	OL	OL	3.7	0.0	2.5	1.8
07/03/2025	92.6	92.2	93.4	93.0	25.7	0.0	3.9	0.0	3.5	0.0	OL	OL	4.0	0.0	2.6	0.0
08/03/2025	92.6	92.1	93.3	93.0	OL	OL	2.9	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3
09/03/2025	92.6	92.4	93.4	93.2	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.2
10/03/2025	92.6	92.3	93.4	93.1	OL	OL	2.5	2.2	0.0	0.0	3.7	0.0	3.0	0.0	2.5	0.0
11/03/2025	92.0	91.6	92.6	92.1	OL	OL	2.5	2.3	OL	OL	0.0	0.0	2.5	2.2	OL	OL
12/03/2025	92.4	91.9	92.9	92.5	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.3	OL	OL
13/03/2025	92.4	92.1	93.0	92.7	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.3	OL	OL
14/03/2025	92.4	92.1	93.0	92.7	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.3	OL	OL
15/03/2025	92.5	92.2	93.1	92.8	OL	OL	2.5	2.2	OL	OL	OL	OL	2.5	2.3	OL	OL
16/03/2025	92.6	92.3	93.2	93.0	OL	OL	2.5	2.2	OL	OL	OL	OL	2.5	2.3	OL	OL
17/03/2025	92.7	92.3	93.3	92.9	OL	OL	2.5	2.2	OL	OL	OL	OL	2.5	2.3	OL	OL
18/03/2025	93.1	92.4	93.8	93.1	OL	OL	2.5	2.2	OL	OL	OL	OL	2.5	2.3	OL	OL
19/03/2025	92.9	0.6	93.6	0.6	OL	OL	2.7	0.0	OL	OL	OL	OL	3.0	0.0	OL	OL
20/03/2025	92.6	92.3	93.3	93.3	OL	OL	2.5	2.3	OL	OL	OL	OL	3.2	0.0	2.6	0.0
21/03/2025	92.1	92.3	92.8	93.1	OL	OL	2.5	2.2	OL	OL	OL	OL	OL	OL	2.5	2.3
22/03/2025	92.9	92.3	93.6	93.1	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3
23/03/2025	92.9	92.4	93.6	93.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3
24/03/2025	89.1	73.4	91.5	93.1	OL	OL	2.5	2.0	OL	OL	3.7	0.0	OL	OL	2.7	0.0
25/03/2025	OL	OL	93.7	93.3	OL	OL	OL	OL	OL	OL	2.6	2.3	OL	OL	2.5	2.2
26/03/2025	OL	OL	93.7	93.1	OL	OL	OL	OL	OL	OL	2.5	2.3	2.7	0.0	2.5	0.0
27/03/2025	OL	OL	93.7	93.4	OL	OL	OL	OL	OL	OL	2.5	2.3	2.5	2.2	OL	OL
28/03/2025	OL	OL	93.4	93.0	OL	OL	OL	OL	OL	OL	2.5	2.3	2.5	2.5	OL	OL
29/03/2025	OL	OL	93.1	92.6	OL	OL	OL	OL	OL	OL	2.5	2.3	2.5	2.5	OL	OL
30/03/2025	OL	OL	91.8	90.3	OL	OL	OL	OL	OL	OL	2.5	2.3	2.5	2.5	OL	OL
31/03/2025	93.0	92.7	89.4	86.4	OL	OL	OL	OL	OL	OL	2.5	2.3	2.5	2.5	OL	OL

- Notes:**
1. UV target value is 2.00 [Log]
 2. OL - Off Line

Submitted By (Print): H. Buhler

Signature: original signed by H. Buhler



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: April 2025

Report Created: Thursday, May 01, 2025

Date	UVR-D100A		UVR-D200A		UVR-D300A		UVR-D400A		UVR-D500A		UVR-D600A		Total		% Volume Treated To Dose
	Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
01/04/2025	0.00	0.00	0.00	0.00	54.59	54.59	47.70	47.70	94.76	94.76	0.00	0.00	197.06	197.06	100.00
02/04/2025	0.00	0.00	0.00	0.00	91.95	91.95	0.00	0.00	102.71	102.71	0.00	0.00	194.66	194.66	100.00
03/04/2025	0.00	0.00	0.00	0.00	84.00	84.00	0.00	0.00	45.73	45.73	58.87	58.87	188.60	188.60	100.00
04/04/2025	0.00	0.00	0.00	0.00	83.31	83.31	0.00	0.00	0.00	0.00	104.69	104.69	187.99	187.99	100.00
05/04/2025	0.00	0.00	0.00	0.00	81.70	81.70	0.00	0.00	0.00	0.00	102.12	102.12	183.82	183.82	100.00
06/04/2025	0.00	0.00	0.00	0.00	81.57	81.57	0.00	0.00	0.00	0.00	101.48	101.48	183.05	183.05	100.00
07/04/2025	0.00	0.00	0.00	0.00	92.04	92.04	0.00	0.00	0.00	0.00	92.84	92.84	184.87	184.87	100.00
08/04/2025	0.00	0.00	0.00	0.00	94.45	94.45	0.00	0.00	0.00	0.00	91.57	91.57	186.02	186.02	100.00
09/04/2025	0.00	0.00	0.00	0.00	94.38	94.38	0.00	0.00	0.00	0.00	91.68	91.68	186.06	186.06	100.00
10/04/2025	0.00	0.00	0.00	0.00	94.31	94.31	0.00	0.00	0.00	0.00	91.74	91.74	186.05	186.05	100.00
11/04/2025	0.00	0.00	0.00	0.00	94.32	94.32	0.00	0.00	0.00	0.00	91.64	91.64	185.96	185.96	100.00
12/04/2025	0.00	0.00	0.00	0.00	94.36	94.36	0.00	0.00	0.00	0.00	91.65	91.65	186.01	186.01	100.00
13/04/2025	0.00	0.00	0.00	0.00	94.33	94.33	0.00	0.00	0.00	0.00	91.61	91.61	185.94	185.94	100.00
14/04/2025	0.00	0.00	0.00	0.00	97.52	97.52	0.00	0.00	0.00	0.00	93.49	93.49	191.01	191.01	100.00
15/04/2025	0.00	0.00	56.06	56.06	96.79	96.79	0.00	0.00	0.00	0.00	42.16	42.16	195.01	195.01	100.00
16/04/2025	1.38	1.38	98.91	98.91	92.38	92.44	0.00	0.00	0.00	0.00	0.00	0.00	192.67	192.74	99.97
17/04/2025	0.00	0.00	101.09	101.09	94.37	94.37	0.00	0.00	0.00	0.00	0.00	0.00	195.46	195.46	100.00
18/04/2025	0.00	0.00	101.75	101.75	95.28	95.28	0.00	0.00	0.00	0.00	0.00	0.00	197.03	197.03	100.00
19/04/2025	0.00	0.00	102.13	102.13	95.58	95.58	0.00	0.00	0.00	0.00	0.00	0.00	197.71	197.71	100.00
20/04/2025	0.00	0.00	97.09	97.09	91.41	91.41	0.00	0.00	0.00	0.00	0.00	0.00	188.50	188.50	100.00
21/04/2025	0.00	0.00	96.54	96.54	90.52	90.52	0.00	0.00	0.00	0.00	0.00	0.00	187.06	187.06	100.00
22/04/2025	0.00	0.00	36.15	36.15	77.37	77.37	73.90	73.90	0.10	0.16	0.00	0.00	187.52	187.58	99.97
23/04/2025	0.00	0.00	0.00	0.00	63.73	63.73	120.29	120.36	0.00	0.00	0.00	0.00	184.02	184.09	99.96
24/04/2025	0.00	0.00	0.00	0.00	38.07	38.07	109.98	109.98	1.11	1.11	35.85	35.86	185.01	185.02	99.99
25/04/2025	0.00	0.00	0.00	0.00	0.00	0.00	93.73	93.73	0.00	0.00	91.23	91.23	184.96	184.96	100.00
26/04/2025	0.00	0.00	0.00	0.00	0.00	0.00	93.46	93.46	0.00	0.00	91.54	91.54	184.99	184.99	100.00
27/04/2025	0.00	0.00	0.00	0.00	0.00	0.00	93.43	93.43	0.00	0.00	91.61	91.61	185.04	185.04	100.00
28/04/2025	0.00	0.00	0.00	0.00	0.00	0.00	93.41	93.41	0.00	0.00	91.58	91.58	184.99	184.99	100.00
29/04/2025	0.00	0.00	0.00	0.00	0.00	0.00	95.25	95.25	0.00	0.00	93.58	93.58	188.83	188.83	100.00
30/04/2025	0.00	0.00	0.00	0.00	0.00	0.00	96.82	96.82	0.00	0.00	94.19	94.19	191.01	191.01	100.00
Total [ML]:	1.38	1.38	689.72	689.72	2068.32	2068.38	917.97	918.04	244.42	244.48	1735.10	1735.11	5656.90	5657.11	

Water Volume [%]:
 10 Dose per reactor 100.00 % 100.00 % 100.00 % 99.99 % 99.98 % 100.00 %
 To Dose Total 100.00 %

Notes: 1. Target Log value: 2.00

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: April 2025

Report Created: Thursday, May 01, 2025

Date	Transmittance (%)				UVR_D100A [Log]		UVR_D200A [Log]		UVR_D300A [Log]		UVR_D400A [Log]		UVR_D500A [Log]		UVR_D600A [Log]	
	Branch 1		Branch 2		Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
	Avg.	Min.	Avg.	Min.												
01/04/2025	92.9	92.6	93.9	93.6	OL	OL	OL	OL	2.9	0.0	2.5	0.0	2.5	2.5	OL	OL
02/04/2025	92.8	90.8	93.8	93.0	OL	OL	OL	OL	2.7	2.3	OL	OL	2.5	2.5	OL	OL
03/04/2025	92.7	92.4	93.7	93.4	OL	OL	OL	OL	2.8	2.4	OL	OL	2.5	0.0	2.6	0.0
04/04/2025	92.8	92.5	93.8	93.5	OL	OL	OL	OL	2.8	2.6	OL	OL	OL	OL	2.5	2.3
05/04/2025	93.0	92.8	93.9	93.7	OL	OL	OL	OL	2.8	2.6	OL	OL	OL	OL	2.5	2.3
06/04/2025	92.9	92.6	93.9	93.5	OL	OL	OL	OL	2.8	2.6	OL	OL	OL	OL	2.5	2.3
07/04/2025	93.0	92.7	93.9	93.6	OL	OL	0.0	0.0	2.6	2.3	OL	OL	OL	OL	2.5	2.2
08/04/2025	92.9	92.5	93.9	93.2	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.2
09/04/2025	92.8	92.5	93.9	93.4	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.3
10/04/2025	92.5	90.7	93.7	92.1	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.3
11/04/2025	92.4	91.9	93.8	93.3	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.3
12/04/2025	91.4	89.7	93.8	93.2	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.2
13/04/2025	88.4	85.2	93.8	93.0	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.2
14/04/2025	85.2	78.8	93.1	92.0	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.2
15/04/2025	91.5	84.1	90.5	87.8	OL	OL	3.3	0.0	2.5	2.1	OL	OL	OL	OL	2.5	0.0
16/04/2025	91.9	89.9	90.8	65.4	29.1	0.0	2.5	2.2	2.5	1.9	OL	OL	OL	OL	OL	OL
17/04/2025	90.6	89.0	93.3	93.0	OL	OL	2.5	2.2	2.5	2.3	OL	OL	OL	OL	OL	OL
18/04/2025	90.6	88.6	93.3	93.1	OL	OL	2.5	2.2	2.5	2.3	OL	OL	OL	OL	OL	OL
19/04/2025	91.1	77.2	93.4	93.0	OL	OL	2.5	2.1	2.5	2.3	OL	OL	OL	OL	OL	OL
20/04/2025	93.1	92.9	93.5	92.6	OL	OL	2.5	2.4	2.5	2.3	OL	OL	OL	OL	OL	OL
21/04/2025	93.3	93.0	93.8	93.5	OL	OL	2.5	2.4	2.5	2.3	OL	OL	OL	OL	OL	OL
22/04/2025	93.4	93.2	93.8	93.6	OL	OL	2.4	0.0	2.6	2.3	2.7	0.0	1.3	0.0	OL	OL
23/04/2025	1.9	0.0	93.8	0.0	OL	OL	OL	OL	2.5	2.3	2.5	1.8	OL	OL	OL	OL
24/04/2025	OL	OL	94.1	93.9	OL	OL	OL	OL	2.4	0.0	2.5	2.4	2.2	0.0	3.5	0.0
25/04/2025	OL	OL	94.0	92.8	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	3.0	2.3
26/04/2025	OL	OL	94.2	93.8	OL	OL	OL	OL	OL	OL	2.5	2.4	OL	OL	2.8	2.5
27/04/2025	OL	OL	94.2	93.7	OL	OL	OL	OL	OL	OL	2.5	2.4	OL	OL	2.7	2.4
28/04/2025	OL	OL	94.2	93.9	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	2.6	2.3
29/04/2025	OL	OL	93.8	93.4	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	2.5	2.2
30/04/2025	27.1	0.0	93.7	93.4	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	2.5	2.2

Notes: 1. UV target value is 2.00 [Log]
 2. OL - Off Line

Submitted By (Print): D. Merredew

Signature: _original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: **May 2025**

Report Created: **Sunday, June 01, 2025**

Date	UVR-D100A		UVR-D200A		UVR-D300A		UVR-D400A		UVR-D500A		UVR-D600A		Total		% Volume Treated To Dose
	Water Volume		Water Volume [ML]		Water Volume		Water Volume [ML]		Water Volume		Water Volume		Water Volume [ML]		
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
01/05/2025	0.00	0.00	0.00	0.00	0.00	0.00	103.28	103.28	0.00	0.00	95.25	95.25	198.53	198.53	100.00
02/05/2025	0.00	0.00	0.00	0.00	0.00	0.00	102.30	102.30	0.00	0.00	106.26	106.26	208.55	208.55	100.00
03/05/2025	0.00	0.00	0.00	0.00	0.00	0.00	94.24	94.24	0.00	0.00	119.65	119.65	213.89	213.89	100.00
04/05/2025	0.00	0.00	0.00	0.00	0.00	0.00	95.62	95.62	0.00	0.00	121.36	121.36	216.98	216.98	100.00
05/05/2025	0.00	0.00	0.00	0.00	0.00	0.00	99.36	99.36	0.00	0.00	123.87	123.87	223.23	223.23	100.00
06/05/2025	0.00	0.00	0.00	0.00	0.00	0.00	73.07	73.07	0.00	0.00	87.64	87.70	160.71	160.77	99.97
07/05/2025	6.68	6.68	0.00	0.00	0.00	0.00	98.05	98.05	0.00	0.00	119.60	119.65	224.33	224.38	99.98
08/05/2025	0.00	0.00	0.00	0.00	0.00	0.00	104.65	104.65	0.00	0.00	118.72	118.72	223.37	223.37	100.00
09/05/2025	0.00	0.00	67.80	67.80	0.00	0.00	42.58	42.58	0.00	0.00	104.13	104.13	214.51	214.51	100.00
10/05/2025	0.00	0.00	114.66	114.66	0.00	0.00	0.00	0.00	0.00	0.00	94.38	94.38	209.05	209.05	100.00
11/05/2025	0.00	0.00	115.05	115.05	0.00	0.00	0.00	0.00	0.00	0.00	94.65	94.65	209.70	209.70	100.00
12/05/2025	0.00	0.00	114.55	114.55	0.00	0.00	0.00	0.00	0.00	0.00	94.12	94.12	208.67	208.67	100.00
13/05/2025	0.00	0.00	113.39	113.39	0.00	0.00	0.00	0.00	0.00	0.00	93.06	93.06	206.45	206.45	100.00
14/05/2025	0.00	0.00	123.51	123.51	0.00	0.00	0.00	0.00	0.00	0.00	101.48	101.48	224.99	224.99	100.00
15/05/2025	36.92	36.92	82.67	83.79	0.75	0.75	0.00	0.00	0.61	0.61	102.69	102.69	223.64	224.76	99.50
16/05/2025	8.66	8.66	0.28	0.28	95.64	95.64	0.00	0.00	0.00	0.00	115.08	115.17	219.66	219.75	99.96
17/05/2025	0.00	0.00	0.00	0.00	99.71	99.71	0.00	0.00	0.00	0.00	120.31	120.31	220.02	220.02	100.00
18/05/2025	0.00	0.00	0.00	0.00	92.90	92.90	0.00	0.00	0.00	0.00	111.82	111.82	204.72	204.72	100.00
19/05/2025	0.00	0.00	0.00	0.00	90.77	90.77	0.00	0.00	0.00	0.00	109.26	109.26	200.03	200.03	100.00
20/05/2025	0.00	0.00	56.95	56.95	43.12	43.12	0.00	0.00	0.00	0.00	99.01	99.01	199.08	199.08	100.00
21/05/2025	0.00	0.00	100.10	100.10	0.00	0.00	0.00	0.00	56.15	56.15	26.21	26.21	182.46	182.46	100.00
22/05/2025	0.00	0.00	100.47	100.47	0.00	0.00	0.00	0.00	82.53	82.53	0.00	0.00	183.00	183.00	100.00
23/05/2025	0.00	0.00	109.82	109.82	0.00	0.00	0.00	0.00	89.78	89.78	0.00	0.00	199.60	199.60	100.00
24/05/2025	0.00	0.00	115.03	115.03	0.00	0.00	0.00	0.00	94.16	94.16	0.00	0.00	209.20	209.20	100.00
25/05/2025	0.00	0.00	116.22	116.22	0.00	0.00	0.00	0.00	97.94	97.94	0.00	0.00	214.16	214.16	100.00
26/05/2025	0.00	0.00	118.88	118.88	0.00	0.00	0.00	0.00	99.79	99.79	0.19	0.34	218.86	219.01	99.93
27/05/2025	0.00	0.00	123.26	123.26	0.00	0.00	0.00	0.00	107.31	107.31	0.00	0.00	230.57	230.57	100.00
28/05/2025	0.00	0.00	125.23	125.23	0.00	0.00	0.00	0.00	109.60	109.60	0.00	0.00	234.83	234.83	100.00
29/05/2025	21.88	21.88	100.99	100.99	0.00	0.00	23.85	23.85	62.04	62.04	33.54	33.54	242.31	242.31	100.00
30/05/2025	0.00	0.00	106.24	106.24	0.00	0.00	64.60	64.60	0.00	0.00	75.92	75.92	246.75	246.75	100.00
31/05/2025	0.00	0.00	109.92	109.92	0.00	0.00	66.88	66.88	0.00	0.00	78.16	78.16	254.97	254.97	100.00
Total [ML]:	74.14	74.14	2015.03	2016.16	422.89	422.89	968.48	968.48	799.91	799.91	2346.36	2346.69	6626.82	6628.28	

Water Volume [%]:
 To Dose per reactor 100.00 % 99.94 % 100.00 % 100.00 % 100.00 % 99.99 %
 To Dose Total 99.98 %

Notes: 1. Target Log value: 2.00

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: May 2025

Report Created: Sunday, June 01, 2025

Date	Transmittance (%)				UVR_D100A [Log]		UVR_D200A [Log]		UVR_D300A [Log]		UVR_D400A [Log]		UVR_D500A [Log]		UVR_D600A [Log]	
	Branch 1		Branch 2		Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
	Avg.	Min.	Avg.	Min.												
01/05/2025	93.2	92.5	93.6	93.4	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	2.5	2.3
02/05/2025	93.2	91.9	93.4	93.1	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	2.5	2.3
03/05/2025	93.3	93.1	93.3	93.1	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	2.5	2.2
04/05/2025	93.1	92.8	93.1	92.7	OL	OL	OL	OL	OL	OL	2.5	2.4	OL	OL	2.5	2.3
05/05/2025	93.1	92.9	92.9	92.7	OL	OL	OL	OL	OL	OL	2.5	2.4	OL	OL	2.5	2.3
06/05/2025	92.6	74.5	88.8	0.0	OL	OL	OL	OL	OL	OL	3.3	0.0	OL	OL	2.5	0.0
07/05/2025	93.2	91.7	93.3	90.9	47.6	0.0	OL	OL	OL	OL	4.1	4.1	OL	OL	2.5	1.6
08/05/2025	92.9	20.8	92.5	91.8	OL	OL	OL	OL	OL	OL	4.1	4.1	OL	OL	2.5	2.2
09/05/2025	92.9	92.5	92.1	91.7	OL	OL	2.6	0.0	OL	OL	4.0	0.0	OL	OL	2.5	2.3
10/05/2025	92.8	92.6	92.5	91.9	OL	OL	2.5	2.4	OL	OL	OL	OL	OL	OL	2.5	2.3
11/05/2025	92.9	92.7	93.0	92.6	OL	OL	2.5	2.4	OL	OL	OL	OL	OL	OL	2.5	2.3
12/05/2025	92.8	92.6	93.2	92.9	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3
13/05/2025	92.7	92.5	93.4	93.1	OL	OL	2.5	2.4	OL	OL	OL	OL	OL	OL	2.5	2.2
14/05/2025	92.7	92.4	93.0	0.0	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.1
15/05/2025	92.9	92.3	92.8	90.5	27.6	0.0	2.4	0.0	3.8	0.0	OL	OL	3.4	0.0	2.5	2.2
16/05/2025	92.8	92.6	91.3	0.0	61.3	0.0	2.7	0.0	2.6	2.1	OL	OL	OL	OL	2.5	1.9
17/05/2025	92.7	92.6	93.5	93.3	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.2
18/05/2025	92.7	92.6	93.5	93.3	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.2
19/05/2025	92.6	92.4	93.4	93.1	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.2
20/05/2025	92.6	92.4	93.4	93.0	OL	OL	2.9	0.0	2.4	0.0	OL	OL	OL	OL	2.5	2.3
21/05/2025	92.6	92.1	93.5	93.0	OL	OL	2.5	2.2	OL	OL	OL	OL	2.9	0.0	2.5	0.0
22/05/2025	92.7	92.5	93.6	93.4	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.3	OL	OL
23/05/2025	92.7	92.4	93.6	93.3	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.3	OL	OL
24/05/2025	92.5	92.3	93.4	92.7	OL	OL	2.5	2.0	OL	OL	OL	OL	2.5	2.2	OL	OL
25/05/2025	92.5	91.6	93.4	93.0	OL	OL	2.5	1.8	OL	OL	OL	OL	2.5	2.3	OL	OL
26/05/2025	92.7	91.6	93.6	93.1	OL	OL	2.5	2.2	OL	OL	OL	OL	2.5	2.3	1.4	0.0
27/05/2025	92.7	92.5	93.6	93.1	OL	OL	2.5	2.4	OL	OL	OL	OL	2.5	2.2	OL	OL
28/05/2025	92.7	92.5	93.6	93.0	OL	OL	2.5	2.4	OL	OL	OL	OL	2.5	2.2	OL	OL
29/05/2025	92.9	92.7	93.8	88.9	38.6	0.0	2.5	2.3	OL	OL	4.0	0.0	2.5	0.0	3.6	0.0
30/05/2025	93.0	92.7	93.9	93.7	OL	OL	2.5	2.0	OL	OL	4.1	4.1	OL	OL	3.4	3.2
31/05/2025	93.0	92.5	93.8	93.6	OL	OL	2.5	2.3	OL	OL	4.1	4.1	OL	OL	3.3	2.9

Notes: 1. UV target value is 2.00 [Log]
 2. OL - Off Line

Submitted By (Print): D. Merredew

Signature: _original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: June 2025

Report Created: Tuesday, July 01, 2025

Date	UVR-D100A		UVR-D200A		UVR-D300A		UVR-D400A		UVR-D500A		UVR-D600A		Total		% Volume Treated To Dose
	Water Volume		Water Volume [ML]		Water Volume		Water Volume [ML]		Water Volume		Water Volume		Water Volume [ML]		
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
01/06/2025	0.00	0.00	111.73	111.73	0.00	0.00	68.23	68.23	0.00	0.00	78.97	78.97	258.93	258.93	100.00
02/06/2025	0.00	0.00	111.22	111.22	0.00	0.00	67.78	67.78	0.00	0.00	78.57	78.57	257.57	257.57	100.00
03/06/2025	9.19	9.19	30.46	30.46	0.00	0.00	18.30	18.30	0.00	0.00	28.75	28.75	86.69	86.69	100.00
04/06/2025	14.26	14.26	105.37	105.37	0.00	0.00	0.00	0.00	0.00	0.00	102.51	102.51	222.14	222.14	100.00
05/06/2025	0.00	0.00	124.61	124.61	0.00	0.00	0.00	0.00	0.00	0.00	107.69	107.69	232.30	232.30	100.00
06/06/2025	0.00	0.00	125.01	125.01	0.00	0.00	0.00	0.00	0.00	0.00	111.01	111.01	236.01	236.01	100.00
07/06/2025	0.00	0.00	125.00	125.00	0.00	0.00	0.00	0.00	0.00	0.00	110.99	110.99	235.99	235.99	100.00
08/06/2025	0.00	0.00	125.03	125.03	0.00	0.00	0.00	0.00	0.00	0.00	110.96	110.96	235.99	235.99	100.00
09/06/2025	0.00	0.00	123.67	123.67	0.00	0.00	0.00	0.00	0.00	0.00	106.11	106.11	229.78	229.78	100.00
10/06/2025	0.00	0.00	115.10	115.10	0.00	0.00	0.00	0.00	0.00	0.00	96.98	96.98	212.08	212.08	100.00
11/06/2025	0.00	0.00	110.52	110.52	0.00	0.00	0.00	0.00	0.00	0.00	92.31	92.31	202.83	202.83	100.00
12/06/2025	0.00	0.00	109.11	109.11	0.00	0.00	0.31	0.33	0.00	0.00	90.73	90.73	200.14	200.17	99.99
13/06/2025	0.00	0.00	113.57	113.57	0.00	0.00	0.00	0.00	0.00	0.00	95.09	95.09	208.66	208.66	100.00
14/06/2025	0.00	0.00	116.98	116.98	0.00	0.00	0.00	0.00	0.00	0.00	98.56	98.56	215.54	215.54	100.00
15/06/2025	0.00	0.00	119.70	119.70	0.00	0.00	0.00	0.00	0.00	0.00	101.31	101.31	221.01	221.01	100.00
16/06/2025	0.00	0.00	119.70	119.70	0.00	0.00	0.12	0.12	0.00	0.00	101.18	101.18	221.01	221.01	100.00
17/06/2025	0.00	0.00	118.31	118.31	0.00	0.00	2.76	2.78	0.00	0.00	100.14	100.14	221.22	221.23	99.99
18/06/2025	0.00	0.00	89.12	89.47	29.80	29.80	0.00	0.00	0.00	0.00	110.14	110.14	229.05	229.40	99.85
19/06/2025	8.92	8.92	69.83	72.41	37.98	37.98	0.00	0.00	0.03	0.03	114.99	115.07	231.75	234.40	98.87
20/06/2025	0.00	0.00	124.44	124.44	0.00	0.00	0.92	0.92	0.00	0.00	108.41	108.41	233.77	233.77	100.00
21/06/2025	0.00	0.00	124.99	124.99	0.00	0.00	0.00	0.00	0.00	0.00	109.14	109.14	234.14	234.14	100.00
22/06/2025	0.00	0.00	125.01	125.01	0.00	0.00	0.00	0.00	0.00	0.00	105.54	105.54	230.55	230.55	100.00
23/06/2025	0.00	0.00	111.81	111.81	0.00	0.00	0.00	0.00	0.00	0.00	94.14	94.14	205.95	205.95	100.00
24/06/2025	0.00	0.00	110.37	110.37	0.00	0.00	0.00	0.00	0.00	0.00	92.62	92.62	202.98	202.98	100.00
25/06/2025	0.00	0.00	112.45	112.45	0.00	0.00	0.00	0.00	0.00	0.00	94.72	94.72	207.17	207.17	100.00
26/06/2025	0.00	0.00	117.45	117.45	0.00	0.00	0.00	0.00	0.00	0.00	96.75	96.75	214.20	214.20	100.00
27/06/2025	0.00	0.00	119.57	119.57	0.00	0.00	0.00	0.00	0.00	0.00	97.40	97.40	216.98	216.98	100.00
28/06/2025	0.00	0.00	120.56	120.56	0.00	0.00	0.00	0.00	0.00	0.00	98.35	98.35	218.91	218.91	100.00
29/06/2025	0.00	0.00	125.02	125.02	0.00	0.00	0.00	0.00	0.00	0.00	106.73	106.73	231.75	231.75	100.00
30/06/2025	0.00	0.00	125.01	125.01	0.00	0.00	0.00	0.00	0.00	0.00	106.97	106.97	231.97	231.97	100.00
Total [ML]:	32.36	32.36	3380.72	3383.64	67.78	67.78	158.41	158.46	0.03	0.03	2947.75	2947.82	6587.05	6590.09	

Water Volume [%]:															
To Dose per reactor	100.00	%	99.91	%	100.00	%	99.97	%	99.48	%	100.00	%			
To Dose Total	99.95	%													

Notes: 1. Target Log value: 2.00

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: June 2025

Report Created: Tuesday, July 01, 2025

Date	Transmittance (%)				UVR_D100A [Log]		UVR_D200A [Log]		UVR_D300A [Log]		UVR_D400A [Log]		UVR_D500A [Log]		UVR_D600A [Log]	
	Branch 1		Branch 2		Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
	Avg.	Min.	Avg.	Min.												
01/06/2025	93.0	92.8	93.9	93.5	OL	OL	2.5	2.3	OL	OL	4.1	4.0	OL	OL	3.0	2.7
02/06/2025	93.3	92.3	94.2	92.5	OL	OL	2.5	2.1	OL	OL	4.1	4.0	OL	OL	2.9	2.5
03/06/2025	92.1	93.1	94.2	93.6	46.5	0.0	2.5	0.0	OL	OL	4.0	0.0	OL	OL	3.2	0.0
04/06/2025	93.4	93.1	94.2	93.9	27.1	12.0	2.5	0.0	OL	OL	OL	OL	OL	OL	2.6	2.3
05/06/2025	93.0	92.5	94.1	93.6	OL	OL	2.5	2.4	OL	OL	OL	OL	OL	OL	2.5	2.3
06/06/2025	92.5	91.0	94.1	93.9	OL	OL	2.5	2.2	OL	OL	OL	OL	OL	OL	2.5	2.3
07/06/2025	91.8	91.1	94.2	93.7	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3
08/06/2025	90.8	90.0	94.3	94.0	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3
09/06/2025	90.8	89.5	94.4	93.7	OL	OL	2.5	2.0	OL	OL	OL	OL	OL	OL	2.5	2.2
10/06/2025	94.0	93.2	94.3	94.0	OL	OL	2.5	2.2	OL	OL	OL	OL	OL	OL	2.5	2.3
11/06/2025	94.2	93.2	94.9	94.2	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3
12/06/2025	94.3	93.7	95.0	94.7	OL	OL	2.5	2.2	OL	OL	2.5	0.0	OL	OL	2.5	2.3
13/06/2025	94.1	93.1	95.1	94.6	OL	OL	2.5	2.2	OL	OL	OL	OL	OL	OL	2.5	2.3
14/06/2025	95.8	95.0	96.5	96.4	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3
15/06/2025	95.5	94.7	96.4	96.1	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3
16/06/2025	95.0	93.4	96.3	96.0	OL	OL	2.5	2.3	OL	OL	1.7	0.0	OL	OL	2.5	2.3
17/06/2025	94.3	93.6	96.1	95.8	OL	OL	2.5	2.2	OL	OL	3.4	0.0	OL	OL	2.5	2.2
18/06/2025	93.5	92.8	96.0	95.6	OL	OL	2.5	0.0	3.0	0.0	OL	OL	OL	OL	2.5	2.3
19/06/2025	95.0	0.0	96.1	95.4	42.4	0.0	4.0	0.0	2.6	0.0	OL	OL	0.3	0.0	2.5	1.9
20/06/2025	96.1	95.9	96.2	96.0	OL	OL	2.6	2.3	OL	OL	2.4	0.0	OL	OL	2.5	1.8
21/06/2025	96.0	95.8	96.1	95.6	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3
22/06/2025	95.9	95.3	96.0	95.5	OL	OL	2.5	2.2	OL	OL	OL	OL	OL	OL	2.5	2.3
23/06/2025	96.0	95.8	96.1	95.6	OL	OL	2.5	2.2	OL	OL	OL	OL	OL	OL	2.5	2.3
24/06/2025	96.0	95.9	96.1	83.2	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.1
25/06/2025	95.9	95.7	96.0	95.5	OL	OL	2.5	2.2	OL	OL	OL	OL	OL	OL	2.5	2.3
26/06/2025	96.0	95.9	95.9	95.3	OL	OL	2.5	2.1	OL	OL	OL	OL	OL	OL	2.5	2.3
27/06/2025	96.0	95.9	95.8	95.2	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.2
28/06/2025	96.0	95.6	95.8	95.3	OL	OL	2.4	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3
29/06/2025	96.1	95.8	95.9	95.4	OL	OL	2.5	2.4	OL	OL	OL	OL	OL	OL	2.5	2.2
30/06/2025	96.1	95.7	95.9	95.5	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3

- Notes:**
1. UV target value is 2.00 [Log]
 2. OL - Off Line

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: July 2025

Report Created: Friday, August 01, 2025

Date	UVR-D100A		UVR-D200A		UVR-D300A		UVR-D400A		UVR-D500A		UVR-D600A		Total		% Volume Treated To Dose
	Water Volume		Water Volume [ML]		Water Volume		Water Volume [ML]		Water Volume		Water Volume		Water Volume [ML]		
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
01/07/2025	0.00	0.00	124.52	124.59	0.00	0.00	0.00	0.00	0.00	0.00	105.87	105.93	230.39	230.52	99.94
02/07/2025	65.06	65.06	58.82	58.82	0.00	0.00	0.00	0.00	0.00	0.00	107.63	107.63	231.52	231.52	100.00
03/07/2025	118.57	118.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105.41	105.41	223.98	223.98	100.00
04/07/2025	95.39	95.39	0.00	0.00	0.00	0.00	36.35	36.35	0.00	0.00	82.76	82.76	214.50	214.50	100.00
05/07/2025	99.95	99.95	0.00	0.00	0.00	0.00	71.74	71.74	0.00	0.00	82.16	82.16	253.86	253.86	100.00
06/07/2025	96.85	96.85	0.00	0.00	0.00	0.00	70.37	70.37	0.00	0.00	80.76	80.76	247.98	247.98	100.00
07/07/2025	97.13	97.13	0.00	0.00	0.00	0.00	70.51	70.51	0.00	0.00	80.91	80.97	248.56	248.61	99.98
08/07/2025	94.82	94.82	0.47	0.59	0.00	0.00	69.50	69.50	0.00	0.00	79.17	79.17	243.96	244.08	99.95
09/07/2025	91.85	91.85	0.40	0.46	0.00	0.00	66.55	66.55	0.00	0.00	75.58	76.47	234.37	235.33	99.60
10/07/2025	91.73	91.73	0.00	0.00	0.00	0.00	64.44	64.44	0.00	0.00	73.63	74.99	229.80	231.16	99.41
11/07/2025	91.46	91.46	0.00	0.00	0.00	0.00	66.10	66.10	0.00	0.00	61.27	76.12	218.83	233.69	93.64
12/07/2025	104.76	104.76	0.00	0.00	0.00	0.00	93.53	93.59	0.00	0.00	12.28	23.41	210.57	221.76	94.95
13/07/2025	106.76	106.76	0.00	0.00	0.00	0.00	103.31	103.31	0.00	0.00	0.00	0.00	210.08	210.08	100.00
14/07/2025	71.48	71.48	0.00	0.00	0.00	0.00	67.99	67.99	0.00	0.00	0.00	0.00	139.47	139.47	100.00
15/07/2025	112.15	112.15	0.00	0.00	70.19	70.19	35.61	35.61	0.00	0.00	0.22	0.56	218.17	218.51	99.84
16/07/2025	110.65	110.65	0.00	0.00	104.34	104.34	0.00	0.00	0.00	0.00	0.00	0.00	214.99	214.99	100.00
17/07/2025	110.53	110.53	0.00	0.00	104.43	104.43	0.00	0.00	0.00	0.00	0.00	0.00	214.96	214.96	100.00
18/07/2025	116.97	116.97	0.00	0.00	109.64	109.64	0.00	0.00	0.00	0.00	0.00	0.00	226.62	226.62	100.00
19/07/2025	119.76	119.76	0.00	0.00	111.71	111.71	0.00	0.00	0.00	0.00	0.00	0.00	231.47	231.47	100.00
20/07/2025	118.16	118.16	0.00	0.00	111.09	111.09	0.00	0.00	0.00	0.00	0.00	0.00	229.26	229.26	100.00
21/07/2025	116.75	116.75	0.00	0.00	109.92	109.92	0.00	0.00	0.00	0.00	0.00	0.00	226.66	226.66	100.00
22/07/2025	114.29	114.29	0.00	0.00	108.61	108.61	0.00	0.00	0.00	0.00	0.00	0.00	222.90	222.90	100.00
23/07/2025	112.09	112.09	0.00	0.00	106.58	106.58	0.00	0.00	0.00	0.00	0.00	0.00	218.68	218.68	100.00
24/07/2025	111.89	111.89	0.00	0.00	106.13	106.13	0.00	0.00	0.00	0.00	0.00	0.00	218.03	218.03	100.00
25/07/2025	112.10	112.10	0.00	0.00	105.94	105.94	0.00	0.00	0.00	0.00	0.00	0.00	218.04	218.04	100.00
26/07/2025	114.46	114.46	0.00	0.00	107.97	107.97	0.00	0.00	0.00	0.00	0.00	0.00	222.43	222.43	100.00
27/07/2025	117.20	117.20	0.00	0.00	110.80	110.80	0.00	0.00	0.00	0.00	0.00	0.00	227.99	227.99	100.00
28/07/2025	116.07	116.07	0.00	0.00	110.18	110.18	0.00	0.00	0.00	0.00	0.00	0.00	226.25	226.25	100.00
29/07/2025	113.65	113.65	0.00	0.00	108.10	108.10	0.00	0.00	0.00	0.00	0.00	0.00	221.75	221.75	100.00
30/07/2025	114.37	114.37	0.00	0.00	107.08	107.08	0.00	0.00	0.00	0.00	0.00	0.00	221.45	221.45	100.00
31/07/2025	108.89	108.89	0.00	0.00	108.58	108.58	0.00	0.00	0.00	0.00	0.00	0.00	217.47	217.47	100.00
Total [ML]:	3165.83	3165.83	184.21	184.47	1801.30	1801.30	816.01	816.07	0.00	0.00	947.65	976.35	6915.01	6944.02	

Water Volume [%]:
 To Dose per reactor 100.00 % 99.86 % 100.00 % 99.99 % OL OL 97.06 %
 To Dose Total 99.58 %

Notes: 1. Target Log value: 2.00

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: July 2025

Report Created: Friday, August 01, 2025

Date	Transmittance (%)				UVR_D100A [Log]		UVR_D200A [Log]		UVR_D300A [Log]		UVR_D400A [Log]		UVR_D500A [Log]		UVR_D600A [Log]	
	Branch 1		Branch 2		Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
	Avg.	Min.	Avg.	Min.												
01/07/2025	96.0	94.2	95.9	95.1	OL	OL	2.5	1.8	OL	OL	OL	OL	OL	OL	2.5	1.6
02/07/2025	95.6	94.5	95.6	94.6	2.7	0.0	2.4	0.0	OL	OL	OL	OL	OL	OL	2.5	2.2
03/07/2025	95.3	93.8	95.3	94.0	2.5	2.2	OL	OL	OL	OL	OL	OL	OL	OL	2.4	2.0
04/07/2025	94.2	93.4	94.4	93.6	2.5	2.2	OL	OL	OL	OL	3.1	0.0	OL	OL	2.4	2.1
05/07/2025	94.8	94.3	94.8	94.4	2.5	2.3	OL	OL	OL	OL	2.6	2.3	OL	OL	2.5	2.2
06/07/2025	94.8	94.2	94.8	94.5	2.5	2.3	OL	OL	OL	OL	2.5	2.3	OL	OL	2.4	2.2
07/07/2025	94.8	94.1	94.8	94.1	2.5	2.2	OL	OL	OL	OL	2.5	2.2	OL	OL	2.4	1.9
08/07/2025	95.1	94.2	95.2	94.3	2.5	2.3	2.3	0.0	OL	OL	2.5	2.3	OL	OL	2.4	1.9
09/07/2025	94.3	94.1	94.5	94.2	2.5	2.3	2.2	0.0	OL	OL	2.5	2.3	OL	OL	2.2	1.8
10/07/2025	94.3	94.1	94.5	94.2	2.5	2.3	OL	OL	OL	OL	2.5	2.2	OL	OL	2.1	1.7
11/07/2025	94.2	94.0	94.4	94.2	2.5	2.3	OL	OL	OL	OL	2.5	2.3	OL	OL	2.0	1.6
12/07/2025	94.3	93.9	94.4	94.1	2.5	2.3	OL	OL	OL	OL	2.5	0.0	OL	OL	1.9	0.0
13/07/2025	94.0	93.6	94.2	94.0	2.5	2.3	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL
14/07/2025	94.0	93.3	94.1	93.8	2.6	0.0	OL	OL	OL	OL	2.5	0.0	OL	OL	OL	OL
15/07/2025	94.1	93.8	94.1	94.0	2.5	2.3	OL	OL	2.5	0.0	2.4	0.0	OL	OL	2.1	0.0
16/07/2025	94.9	93.4	94.9	94.1	2.5	2.2	OL	OL	2.6	2.3	OL	OL	OL	OL	OL	OL
17/07/2025	96.0	95.5	95.9	95.3	2.5	2.3	OL	OL	2.6	2.3	OL	OL	OL	OL	OL	OL
18/07/2025	96.3	95.7	96.2	95.5	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
19/07/2025	96.5	95.6	96.2	95.4	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
20/07/2025	96.5	96.0	96.2	95.6	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
21/07/2025	96.5	96.1	96.3	95.4	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
22/07/2025	96.6	96.2	96.3	95.5	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
23/07/2025	96.5	96.2	96.4	95.9	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
24/07/2025	96.4	95.8	96.4	95.9	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
25/07/2025	96.4	96.0	96.4	95.9	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
26/07/2025	96.3	94.9	96.4	95.8	2.5	2.2	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
27/07/2025	96.4	95.8	96.5	96.0	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
28/07/2025	96.4	95.9	96.5	96.2	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
29/07/2025	96.4	96.2	96.6	96.0	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
30/07/2025	96.5	96.2	96.6	96.2	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
31/07/2025	96.4	96.2	96.5	94.9	2.5	1.9	OL	OL	2.5	1.6	OL	OL	OL	OL	OL	OL

- Notes:**
- UV target value is 2.00 [Log]
 - OL - Off Line

Submitted By (Print): D. Merredew _____

Signature: original signed by D. Merredew



CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
WATER SERVICES

Water System Code: **252.00**
 Licence Number: **PWS-09-412-02-AA**

WATER TREATMENT PLANT UV REPORT

Report Period: **August 2025**

Report Created: **Monday, September 01, 2025**

Date	UVR-D100A		UVR-D200A		UVR-D300A		UVR-D400A		UVR-D500A		UVR-D600A		Total		% Volume Treated To Dose
	Water Volume		Water Volume [ML]		Water Volume		Water Volume [ML]		Water Volume		Water Volume		Water Volume [ML]		
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
01/08/2025	109.72	109.72	0.00	0.00	110.99	110.99	0.00	0.00	0.00	0.00	0.00	0.00	220.71	220.71	100.00
02/08/2025	109.99	109.99	0.00	0.00	111.93	111.93	0.00	0.00	0.00	0.00	0.00	0.00	221.93	221.93	100.00
03/08/2025	83.68	83.76	0.00	0.00	65.72	73.70	0.00	0.00	0.00	0.00	18.87	18.87	168.27	176.33	95.43
04/08/2025	94.62	94.62	0.00	0.00	63.71	63.71	0.00	0.00	0.00	0.00	76.39	76.39	234.72	234.72	100.00
05/08/2025	93.24	93.24	0.00	0.00	62.31	62.31	0.00	0.00	0.00	0.00	77.87	77.87	233.42	233.42	100.00
06/08/2025	100.29	100.29	0.00	0.00	64.63	64.63	0.00	0.00	0.00	0.00	81.21	81.21	246.14	246.14	100.00
07/08/2025	90.40	90.40	0.00	0.00	56.83	58.03	0.00	0.00	0.00	0.00	66.97	66.97	214.21	215.40	99.44
08/08/2025	99.89	99.89	0.00	0.00	43.58	43.76	0.00	0.00	0.00	0.00	84.97	84.97	228.45	228.62	99.92
09/08/2025	109.94	109.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.82	98.82	208.76	208.76	100.00
10/08/2025	106.75	106.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.04	96.04	202.79	202.79	100.00
11/08/2025	106.53	106.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.80	95.80	202.33	202.33	100.00
12/08/2025	107.41	107.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.83	94.83	202.25	202.25	100.00
13/08/2025	110.07	110.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.04	99.04	209.11	209.11	100.00
14/08/2025	107.13	107.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.39	96.39	203.52	203.52	100.00
15/08/2025	102.06	102.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.95	91.95	194.00	194.00	100.00
16/08/2025	101.54	101.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.47	91.47	193.01	193.01	100.00
17/08/2025	98.78	98.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.00	89.00	187.78	187.78	100.00
18/08/2025	98.21	98.21	0.00	0.00	0.43	0.47	0.00	0.00	0.00	0.00	88.31	88.31	186.96	187.00	99.98
19/08/2025	99.92	99.92	0.00	0.00	0.13	0.16	0.00	0.00	0.00	0.00	92.98	92.98	193.03	193.06	99.98
20/08/2025	102.42	102.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.99	99.99	202.41	202.41	100.00
21/08/2025	105.27	105.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.76	102.76	208.02	208.02	100.00
22/08/2025	105.09	105.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102.78	102.78	207.87	208.01	99.93
23/08/2025	105.49	106.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104.00	104.00	209.49	210.31	99.61
24/08/2025	104.61	105.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	103.39	103.39	207.99	209.09	99.47
25/08/2025	48.97	49.92	58.74	58.74	0.00	0.00	0.00	0.00	0.00	0.00	101.91	101.91	209.62	210.57	99.55
26/08/2025	0.00	0.00	109.80	109.80	0.00	0.00	0.00	0.00	43.43	43.43	58.76	58.77	211.99	212.00	99.99
27/08/2025	0.00	0.00	109.33	109.33	0.00	0.00	0.00	0.00	102.68	102.68	0.00	0.00	212.02	212.02	100.00
28/08/2025	0.00	0.00	109.24	109.24	0.00	0.00	0.00	0.00	102.77	102.77	0.00	0.00	212.01	212.01	100.00
29/08/2025	0.00	0.00	109.03	109.03	0.00	0.00	0.00	0.00	102.98	102.98	0.00	0.00	212.01	212.01	100.00
30/08/2025	0.00	0.00	108.91	108.91	0.00	0.00	0.00	0.00	103.75	103.75	0.00	0.00	212.66	212.66	100.00
31/08/2025	0.00	0.00	102.73	102.73	0.00	0.00	0.00	0.00	99.02	99.02	0.00	0.00	201.75	201.75	100.00
Total [ML]:	2502.03	2505.12	707.78	707.78	580.28	589.70	0.00	0.00	554.64	554.64	2114.48	2114.50	6459.21	6471.73	

Water Volume [%]:
 1o Dose per reactor 99.88 % 100.00 % 98.40 % OL OL 100.00 % 100.00 %
 To Dose Total 99.81 %

Notes: 1. Target Log value: 2.00

Submitted By (Print): D. Merredew

Signature: Original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: August 2025

Report Created: Monday, September 01, 2025

Date	Transmittance (%)				UVR_D100A		UVR_D200A		UVR_D300A		UVR_D400A		UVR_D500A		UVR_D600A	
	Branch 1		Branch 2		[Log]		[Log]		[Log]		[Log]		[Log]		[Log]	
	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
01/08/2025	96.4	95.9	96.4	95.7	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
02/08/2025	96.4	96.0	96.4	95.6	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
03/08/2025	96.2	94.9	96.3	94.9	2.5	1.7	OL	OL	2.3	1.5	OL	OL	OL	OL	4.1	4.1
04/08/2025	96.7	96.0	96.7	96.2	2.5	2.2	OL	OL	2.5	2.1	OL	OL	OL	OL	4.1	3.8
05/08/2025	96.7	96.3	96.5	96.2	2.5	2.1	OL	OL	2.5	2.3	OL	OL	OL	OL	3.9	3.6
06/08/2025	96.6	95.0	96.4	94.7	2.5	2.1	OL	OL	2.5	2.3	OL	OL	OL	OL	3.7	3.2
07/08/2025	95.5	94.5	95.6	94.7	2.5	1.9	OL	OL	2.4	1.1	OL	OL	OL	OL	3.6	3.2
08/08/2025	96.7	96.2	96.8	96.3	2.5	2.0	OL	OL	2.4	1.9	OL	OL	OL	OL	3.7	3.3
09/08/2025	96.7	96.2	96.8	96.3	2.5	1.9	OL	OL	OL	OL	OL	OL	OL	OL	3.5	3.3
10/08/2025	96.7	96.4	96.7	96.4	2.5	2.2	OL	OL	OL	OL	OL	OL	OL	OL	3.4	3.2
11/08/2025	96.7	96.4	96.8	96.3	2.4	2.2	OL	OL	OL	OL	OL	OL	OL	OL	3.4	2.9
12/08/2025	96.7	96.3	96.8	96.4	2.4	2.1	OL	OL	OL	OL	OL	OL	OL	OL	3.4	2.9
13/08/2025	96.7	96.3	96.8	96.0	2.4	2.2	OL	OL	OL	OL	OL	OL	OL	OL	3.4	2.8
14/08/2025	96.7	96.2	96.8	96.4	2.5	2.1	OL	OL	OL	OL	OL	OL	OL	OL	3.3	2.8
15/08/2025	96.8	96.2	96.9	96.4	2.5	2.1	OL	OL	OL	OL	OL	OL	OL	OL	3.3	2.8
16/08/2025	97.0	96.5	97.1	96.6	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	3.3	2.9
17/08/2025	97.0	96.6	97.1	96.5	2.5	2.1	OL	OL	OL	OL	OL	OL	OL	OL	3.3	2.9
18/08/2025	97.0	96.6	97.2	96.8	2.5	2.1	OL	OL	1.2	0.0	OL	OL	OL	OL	3.3	2.9
19/08/2025	96.9	96.4	97.2	96.2	2.5	2.0	OL	OL	1.1	0.0	OL	OL	OL	OL	3.3	2.7
20/08/2025	96.9	96.4	97.1	96.8	2.4	2.2	OL	OL	OL	OL	OL	OL	OL	OL	3.2	2.9
21/08/2025	96.9	95.8	97.1	96.6	2.4	2.0	OL	OL	OL	OL	OL	OL	OL	OL	3.0	2.7
22/08/2025	96.9	95.9	97.1	96.7	2.3	1.9	OL	OL	OL	OL	OL	OL	OL	OL	2.7	2.5
23/08/2025	97.0	95.9	97.1	95.7	2.2	1.9	OL	OL	OL	OL	OL	OL	OL	OL	2.6	2.3
24/08/2025	97.1	96.2	97.1	96.5	2.2	1.8	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
25/08/2025	97.1	96.3	97.1	96.5	2.1	1.7	2.5	2.2	OL	OL	OL	OL	OL	OL	2.5	2.3
26/08/2025	97.1	96.3	97.2	96.4	OL	OL	2.5	2.3	OL	OL	OL	OL	2.8	2.3	2.5	0.0
27/08/2025	97.1	96.5	97.2	96.6	OL	OL	2.5	2.2	OL	OL	OL	OL	2.5	2.3	OL	OL
28/08/2025	96.8	96.0	97.2	96.3	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.3	OL	OL
29/08/2025	96.9	95.9	97.3	96.7	OL	OL	2.5	2.2	OL	OL	OL	OL	2.5	2.3	OL	OL
30/08/2025	96.8	95.6	97.2	96.0	OL	OL	2.5	2.2	OL	OL	OL	OL	2.5	2.3	OL	OL
31/08/2025	96.8	96.4	97.2	96.2	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.3	OL	OL

- Notes:
1. UV target value is 2.00 [Log]
 2. OL - Off Line

Submitted By (Print): D. Merredew

Signature: Original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: **September 2025**

Report Created: **Wednesday, October 01, 2025**

Date	UVR-D100A		UVR-D200A		UVR-D300A		UVR-D400A		UVR-D500A		UVR-D600A		Total		% Volume Treated To Dose
	Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
01/09/2025	0.00	0.00	95.17	95.17	0.00	0.00	0.00	0.00	93.03	93.03	0.00	0.00	188.20	188.20	100.00
02/09/2025	0.28	0.29	92.46	92.46	0.00	0.00	0.00	0.00	91.28	91.28	0.00	0.00	184.02	184.04	99.99
03/09/2025	0.00	0.00	93.11	93.11	0.00	0.00	0.00	0.00	92.10	92.10	0.00	0.00	185.21	185.21	100.00
04/09/2025	0.00	0.00	95.61	95.61	0.00	0.00	0.00	0.00	94.39	94.39	0.00	0.00	190.00	190.00	100.00
05/09/2025	0.00	0.00	96.49	96.49	0.00	0.00	0.00	0.00	94.87	94.87	0.00	0.00	191.36	191.36	100.00
06/09/2025	0.00	0.00	100.23	100.23	0.00	0.00	0.00	0.00	92.69	92.69	0.00	0.00	192.92	192.92	100.00
07/09/2025	0.00	0.00	100.89	100.89	0.00	0.00	0.00	0.00	92.07	92.07	0.00	0.00	192.96	192.96	100.00
08/09/2025	0.00	0.00	105.84	105.84	55.67	55.67	0.00	0.00	40.97	41.35	0.00	0.00	202.49	202.87	99.81
09/09/2025	0.00	0.00	106.12	106.12	0.00	0.00	0.00	0.00	96.89	96.89	0.00	0.00	203.01	203.01	100.00
10/09/2025	50.56	50.56	55.84	55.84	0.00	0.00	0.00	0.00	100.80	100.80	0.00	0.00	207.20	207.20	100.00
11/09/2025	106.14	106.14	0.00	0.00	0.00	0.00	0.00	0.00	103.76	103.76	0.00	0.00	209.91	209.91	100.00
12/09/2025	106.52	106.52	0.00	0.00	0.00	0.00	0.00	0.00	104.37	104.37	0.00	0.00	210.89	210.89	100.00
13/09/2025	106.78	106.78	0.00	0.00	0.00	0.00	0.00	0.00	104.88	104.88	0.00	0.00	211.66	211.66	100.00
14/09/2025	106.31	106.31	0.00	0.00	0.00	0.00	0.00	0.00	104.43	104.43	0.00	0.00	210.74	210.74	100.00
15/09/2025	105.27	105.27	0.00	0.00	0.00	0.00	0.00	0.00	103.99	103.99	0.00	0.00	209.26	209.26	100.00
16/09/2025	102.90	102.90	0.00	0.00	0.00	0.00	0.00	0.00	102.17	102.17	0.00	0.00	205.07	205.07	100.00
17/09/2025	103.28	103.28	0.00	0.00	0.00	0.00	0.00	0.00	102.78	102.78	0.00	0.00	206.06	206.06	100.00
18/09/2025	104.16	104.16	0.00	0.00	0.00	0.00	0.00	0.00	103.92	103.92	0.00	0.00	208.08	208.08	100.00
19/09/2025	103.72	103.72	0.00	0.00	0.00	0.00	0.00	0.00	103.35	103.35	0.00	0.00	207.06	207.06	100.00
20/09/2025	103.61	103.61	0.00	0.00	0.00	0.00	0.00	0.00	103.21	103.21	0.00	0.00	206.81	206.81	100.00
21/09/2025	101.47	101.47	0.00	0.00	0.00	0.00	0.00	0.00	101.22	101.22	0.00	0.00	202.69	202.69	100.00
22/09/2025	98.44	98.44	0.00	0.00	0.00	0.00	0.00	0.00	97.56	97.56	0.00	0.00	195.99	195.99	100.00
23/09/2025	98.25	98.25	0.00	0.00	0.00	0.00	0.00	0.00	97.75	97.75	0.00	0.00	196.00	196.00	100.00
24/09/2025	75.01	75.84	0.00	0.00	48.35	48.35	17.86	17.86	45.43	45.43	6.78	6.91	193.42	194.38	99.50
25/09/2025	93.92	93.92	0.00	0.00	96.25	96.25	0.00	0.00	0.00	0.00	0.00	0.00	190.18	190.18	100.00
26/09/2025	32.29	32.29	0.00	0.00	86.95	86.95	0.00	0.00	0.00	0.00	73.47	73.47	192.72	192.72	100.00
27/09/2025	0.00	0.00	0.00	0.00	83.78	83.78	0.00	0.00	0.00	0.00	113.12	113.12	196.90	196.90	100.00
28/09/2025	0.00	0.00	0.00	0.00	84.69	84.69	0.00	0.00	0.00	0.00	114.70	114.70	199.39	199.39	100.00
29/09/2025	0.00	0.00	1.40	1.40	84.51	84.57	0.00	0.00	4.90	4.90	109.56	109.56	200.36	200.42	99.97
30/09/2025	0.97	0.97	0.00	0.00	79.50	79.50	91.60	91.60	28.36	28.69	0.00	0.00	200.43	200.77	99.83
Total [ML]:	1599.87	1600.71	943.17	943.17	619.71	619.76	109.46	109.46	2301.15	2301.86	417.64	417.77	5990.99	5992.74	

Water Volume [%]:

To Dose per reactor	99.95 %	100.00 %	99.99 %	100.00 %	99.97 %	99.97 %
To Dose Total	99.97 %					

Notes: 1. Target Log value: 2.00

Submitted By (Print): D.Merredew

Signature: Original signed by D.Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: September 2025

Report Created: Wednesday, October 01, 2025

Date	Transmittance (%)				UVR_D100A [Log]		UVR_D200A [Log]		UVR_D300A [Log]		UVR_D400A [Log]		UVR_D500A [Log]		UVR_D600A [Log]	
	Branch 1		Branch 2		Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
	Avg.	Min.	Avg.	Min.												
01/09/2025	96.7	96.2	97.2	96.7	OL	OL	2.5	2.2	OL	OL	OL	OL	2.5	2.3	OL	OL
02/09/2025	96.6	96.1	97.1	96.5	2.8	0.0	2.5	2.1	OL	OL	OL	OL	2.5	2.3	OL	OL
03/09/2025	96.6	96.3	97.1	96.7	OL	OL	2.5	2.1	OL	OL	OL	OL	2.5	2.3	OL	OL
04/09/2025	96.6	95.6	97.1	96.4	OL	OL	2.5	2.2	OL	OL	OL	OL	2.5	2.3	OL	OL
05/09/2025	96.3	95.8	96.9	96.2	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.3	OL	OL
06/09/2025	96.4	95.9	97.0	95.9	OL	OL	2.5	1.8	OL	OL	OL	OL	2.5	2.1	OL	OL
07/09/2025	96.5	95.9	97.0	96.6	OL	OL	2.5	2.2	OL	OL	OL	OL	2.4	2.3	OL	OL
08/09/2025	96.5	96.0	97.1	96.4	OL	OL	2.4	2.0	3.4	0.0	OL	OL	3.6	0.0	OL	OL
09/09/2025	96.7	96.3	97.1	96.6	OL	OL	2.5	2.2	OL	OL	OL	OL	2.9	2.4	OL	OL
10/09/2025	96.6	96.1	97.1	96.4	3.6	0.0	2.4	0.0	OL	OL	OL	OL	2.5	2.3	OL	OL
11/09/2025	96.4	96.0	96.9	96.5	2.6	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL
12/09/2025	96.4	96.0	97.0	96.6	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL
13/09/2025	96.1	94.7	96.7	95.2	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL
14/09/2025	96.5	95.8	97.1	96.2	2.5	2.1	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL
15/09/2025	96.5	96.0	97.1	96.8	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL
16/09/2025	96.3	95.7	97.0	96.5	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL
17/09/2025	96.3	95.7	97.0	96.0	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL
18/09/2025	96.1	95.5	96.7	96.0	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.1	OL	OL
19/09/2025	95.9	95.3	96.5	96.2	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.1	OL	OL
20/09/2025	95.9	95.3	96.6	96.1	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL
21/09/2025	96.0	95.0	96.7	95.5	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL
22/09/2025	96.0	95.5	96.7	96.3	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL
23/09/2025	96.0	95.2	96.7	96.2	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL
24/09/2025	96.0	94.8	96.6	94.3	3.0	0.0	OL	OL	2.9	0.0	2.8	0.0	2.4	0.0	2.2	0.0
25/09/2025	95.9	95.5	96.5	96.0	3.4	3.2	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
26/09/2025	96.0	95.5	96.7	96.1	3.1	0.0	OL	OL	2.5	2.3	OL	OL	OL	OL	2.4	0.0
27/09/2025	96.2	95.5	96.9	95.9	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL	2.4	2.2
28/09/2025	96.2	95.7	96.9	95.7	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL	2.4	2.2
29/09/2025	96.2	95.6	96.8	96.3	OL	OL	2.3	0.0	2.5	1.9	OL	OL	2.0	0.0	2.4	2.0
30/09/2025	96.2	95.6	96.9	96.4	3.2	3.2	OL	OL	2.5	2.0	2.5	0.0	2.2	0.0	OL	OL

- Notes:**
1. UV target value is 2.00 [Log]
 2. OL - Off Line

Submitted By (Print): D.Merredew

Signature: Original signed by D.Merredew



CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
WATER SERVICES

Water System Code: **252.00**
 Licence Number: **PWS-09-412-02-AA**

WATER TREATMENT PLANT UV REPORT

Report Period: **October 2025**

Report Created: **Saturday, November 01, 2025**

Date	UVR-D100A		UVR-D200A		UVR-D300A		UVR-D400A		UVR-D500A		UVR-D600A		Total		% Volume Treated To Dose
	Water Volume		Water Volume [ML]		Water Volume		Water Volume [ML]		Water Volume		Water Volume		Water Volume [ML]		
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
01/10/2025	61.96	61.96	0.00	0.00	87.02	87.02	40.91	40.91	0.19	0.21	0.34	0.38	190.42	190.48	99.97
02/10/2025	90.62	90.62	0.00	0.00	94.39	94.39	0.00	0.00	0.00	0.00	0.00	0.00	185.01	185.01	100.00
03/10/2025	91.72	91.72	0.00	0.00	95.24	95.24	0.00	0.00	0.00	0.00	0.00	0.00	186.96	186.96	100.00
04/10/2025	95.16	95.16	0.00	0.00	96.81	96.81	0.00	0.00	0.00	0.00	0.00	0.00	191.97	191.97	100.00
05/10/2025	95.02	95.02	0.00	0.00	96.97	96.97	0.00	0.00	0.00	0.00	0.00	0.00	191.99	191.99	100.00
06/10/2025	93.82	93.82	0.00	0.00	96.18	96.18	0.00	0.00	0.00	0.00	0.00	0.00	189.99	189.99	100.00
07/10/2025	93.67	93.67	0.00	0.00	96.30	96.30	0.00	0.00	0.00	0.00	0.00	0.00	189.97	189.97	100.00
08/10/2025	94.58	94.58	0.00	0.00	96.62	96.62	0.00	0.00	0.00	0.00	0.00	0.00	191.20	191.20	100.00
09/10/2025	94.85	94.85	0.00	0.00	97.20	97.20	0.00	0.00	0.00	0.00	0.00	0.00	192.04	192.04	100.00
10/10/2025	92.42	92.42	0.00	0.00	95.88	95.94	0.00	0.00	0.00	0.00	0.00	0.00	188.30	188.36	99.97
11/10/2025	91.97	91.97	0.00	0.00	96.18	96.18	0.00	0.00	0.00	0.00	0.00	0.00	188.15	188.15	100.00
12/10/2025	92.51	92.51	0.00	0.00	96.47	96.47	0.00	0.00	0.00	0.00	0.00	0.00	188.98	188.98	100.00
13/10/2025	92.56	92.56	0.00	0.00	96.44	96.44	0.00	0.00	0.00	0.00	0.00	0.00	189.00	189.00	100.00
14/10/2025	94.49	94.49	0.00	0.00	98.02	98.02	0.00	0.00	0.00	0.00	0.00	0.00	192.51	192.51	100.00
15/10/2025	49.61	49.62	0.00	0.00	35.88	36.02	19.37	19.47	0.12	0.12	0.04	0.04	105.03	105.26	99.77
16/10/2025	36.92	36.92	0.00	0.00	0.00	0.00	98.77	98.77	54.73	54.73	0.00	0.00	190.42	190.42	100.00
17/10/2025	0.00	0.00	0.00	0.00	0.00	0.00	104.39	104.39	94.49	94.49	0.00	0.00	198.88	198.88	100.00
18/10/2025	0.00	0.00	0.00	0.00	0.00	0.00	102.33	102.33	92.64	92.64	0.00	0.00	194.98	194.98	100.00
19/10/2025	0.00	0.00	0.00	0.00	0.00	0.00	102.34	102.34	92.66	92.66	0.00	0.00	195.00	195.00	100.00
20/10/2025	0.00	0.00	0.00	0.00	0.00	0.00	102.22	102.22	92.68	92.68	0.00	0.00	194.89	194.89	100.00
21/10/2025	9.73	9.73	0.00	0.00	0.00	0.00	92.37	92.37	50.19	50.19	42.72	42.72	195.01	195.01	100.00
22/10/2025	0.26	0.28	0.18	0.21	0.00	0.00	99.55	99.55	0.00	0.00	88.09	88.09	188.07	188.13	99.97
23/10/2025	0.23	0.24	0.00	0.00	0.00	0.00	99.81	99.81	0.00	0.00	87.93	87.93	187.97	187.99	99.99
24/10/2025	0.00	0.00	0.00	0.00	0.00	0.00	99.97	99.97	0.00	0.00	88.02	88.02	187.98	187.98	100.00
25/10/2025	0.00	0.00	0.00	0.00	0.00	0.00	99.69	99.69	0.00	0.00	88.30	88.30	187.99	187.99	100.00
26/10/2025	0.00	0.00	0.00	0.00	0.00	0.00	99.52	99.52	0.00	0.00	88.51	88.51	188.02	188.02	100.00
27/10/2025	0.32	0.33	0.00	0.00	0.00	0.00	96.34	96.34	0.00	0.00	84.55	84.55	181.21	181.22	99.99
28/10/2025	53.57	53.57	0.00	0.00	0.00	0.00	31.14	31.14	0.00	0.00	85.32	85.32	170.02	170.02	100.00
29/10/2025	81.64	81.64	0.00	0.00	0.07	0.11	0.00	0.00	0.00	0.00	88.40	88.40	170.11	170.15	99.98
30/10/2025	86.07	86.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.37	92.37	178.44	178.44	100.00
31/10/2025	96.14	96.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.25	95.25	191.39	191.39	100.00
Total [ML]:	1689.79	1689.86	0.18	0.21	1375.68	1375.91	1288.71	1288.81	477.71	477.73	929.83	929.87	5761.90	5762.38	

Water Volume [%]:
 To Dose per reactor 99.996 % 85.027 % 99.983 % 99.992 % 99.997 % 99.995 %
 To Dose Total 99.992 %

Notes: 1. Target Log value: 2.00

Submitted By (Print): D. Merredew

Signature: Original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: October 2025

Report Created: Saturday, November 01, 2025

Date	Transmittance (%)				UVR_D100A [Log]		UVR_D200A [Log]		UVR_D300A [Log]		UVR_D400A [Log]		UVR_D500A [Log]		UVR_D600A [Log]	
	Branch 1		Branch 2		Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
	Avg.	Min.	Avg.	Min.												
01/10/2025	96.3	95.8	96.9	95.8	3.4	2.8	OL	OL	2.5	2.2	2.4	0.0	1.7	0.0	2.7	0.0
02/10/2025	96.2	95.9	96.8	96.5	2.9	2.6	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
03/10/2025	96.1	95.8	96.8	96.5	2.6	2.4	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
04/10/2025	96.1	95.6	96.7	96.3	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
05/10/2025	96.1	95.7	96.8	96.4	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
06/10/2025	96.3	95.8	96.9	96.0	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
07/10/2025	96.3	95.3	96.9	94.8	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
08/10/2025	96.3	90.9	96.9	96.5	2.5	2.1	OL	OL	2.5	2.1	OL	OL	OL	OL	OL	OL
09/10/2025	96.4	96.1	96.9	96.7	2.5	2.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL
10/10/2025	96.0	94.8	96.6	95.3	2.5	2.3	OL	OL	2.5	1.9	OL	OL	OL	OL	OL	OL
11/10/2025	94.7	94.5	95.4	95.2	2.5	2.3	OL	OL	2.5	2.2	OL	OL	OL	OL	OL	OL
12/10/2025	94.7	94.5	95.4	95.1	2.5	2.3	OL	OL	2.5	2.2	OL	OL	OL	OL	OL	OL
13/10/2025	94.7	94.6	95.5	95.1	2.5	2.3	OL	OL	2.5	2.2	OL	OL	OL	OL	OL	OL
14/10/2025	94.7	94.5	95.4	95.2	2.5	2.3	OL	OL	2.5	2.2	OL	OL	OL	OL	OL	OL
15/10/2025	94.8	93.3	95.5	94.7	2.5	0.0	0.0	0.0	2.4	0.0	3.7	0.0	1.2	0.0	1.1	0.0
16/10/2025	94.7	94.3	95.2	94.6	2.4	2.2	OL	OL	OL	OL	3.0	2.3	3.3	2.8	OL	OL
17/10/2025	94.9	94.5	95.5	95.3	OL	OL	OL	OL	OL	OL	2.6	2.3	2.8	2.5	OL	OL
18/10/2025	94.9	94.7	95.6	95.0	OL	OL	OL	OL	OL	OL	2.5	2.3	2.6	2.3	OL	OL
19/10/2025	94.9	94.7	95.5	95.3	OL	OL	OL	OL	OL	OL	2.5	2.2	2.5	2.3	OL	OL
20/10/2025	94.9	94.5	95.5	95.2	OL	OL	OL	OL	OL	OL	2.5	2.3	2.5	2.3	OL	OL
21/10/2025	94.8	94.0	95.4	95.1	2.3	2.2	OL	OL	OL	OL	2.9	2.3	2.5	2.3	3.1	2.6
22/10/2025	94.4	93.7	95.0	94.8	2.2	0.0	1.6	0.0	OL	OL	2.6	2.4	OL	OL	2.7	2.5
23/10/2025	94.0	93.5	94.7	94.1	2.7	0.0	OL	OL	OL	OL	2.5	2.3	OL	OL	2.5	2.3
24/10/2025	93.8	93.4	94.5	93.9	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	2.5	2.3
25/10/2025	94.6	94.3	95.2	94.8	OL	OL	OL	OL	OL	OL	2.5	2.4	OL	OL	2.5	2.3
26/10/2025	94.6	94.0	95.2	94.8	OL	OL	OL	OL	OL	OL	2.5	2.4	OL	OL	2.5	2.3
27/10/2025	94.7	94.4	95.2	95.0	2.7	0.0	OL	OL	OL	OL	2.5	2.4	OL	OL	2.5	2.3
28/10/2025	94.8	94.5	95.3	95.1	3.7	3.4	OL	OL	OL	OL	2.5	2.4	OL	OL	2.5	2.3
29/10/2025	94.9	94.7	95.4	95.1	3.5	3.3	OL	OL	0.7	0.0	OL	OL	OL	OL	2.5	2.3
30/10/2025	94.9	94.7	95.4	95.2	3.3	2.9	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
31/10/2025	94.9	94.7	95.3	94.6	2.8	2.6	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.2

- Notes:
- UV target value is 2.00 [Log]
 - OL - Off Line

Submitted By (Print): D. Merredew

Signature: Original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: **November 2025**

Report Created: **Monday, December 01, 2025**

Date	UVR-D100A		UVR-D200A		UVR-D300A		UVR-D400A		UVR-D500A		UVR-D600A		Total		% Volume Treated To Dose
	Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
01/11/2025	103.01	103.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.46	99.46	202.47	202.47	100.00
02/11/2025	110.41	110.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.12	107.12	217.53	217.53	100.00
03/11/2025	104.91	104.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	104.96	104.96	209.87	209.87	100.00
04/11/2025	75.53	76.49	0.00	0.00	0.00	0.00	0.49	0.49	0.00	0.00	93.46	93.46	169.48	170.43	99.44
05/11/2025	76.52	76.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.32	93.32	169.83	169.83	100.00
06/11/2025	80.12	80.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.24	92.24	172.36	172.36	100.00
07/11/2025	93.96	93.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.92	93.92	187.88	187.88	100.00
08/11/2025	100.49	100.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98.50	98.50	198.99	198.99	100.00
09/11/2025	96.38	96.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94.51	94.51	190.90	190.90	100.00
10/11/2025	95.21	95.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.77	93.77	188.97	188.97	100.00
11/11/2025	92.84	92.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.16	92.16	184.99	184.99	100.00
12/11/2025	90.96	90.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.36	90.36	181.32	181.32	100.00
13/11/2025	90.28	90.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.72	89.72	179.99	179.99	100.00
14/11/2025	92.00	92.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.14	91.21	183.14	183.21	99.96
15/11/2025	92.87	92.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.16	92.16	185.03	185.03	100.00
16/11/2025	92.68	92.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.36	92.36	185.03	185.03	100.00
17/11/2025	91.40	91.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.82	92.90	184.22	184.36	99.92
18/11/2025	88.31	88.31	0.00	0.00	0.00	0.00	0.00	0.00	27.74	27.74	70.03	70.03	186.08	186.08	100.00
19/11/2025	89.67	89.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.34	95.34	185.01	185.01	100.00
20/11/2025	80.96	81.06	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.68	79.44	79.44	161.09	161.18	99.94
21/11/2025	77.71	77.71	16.95	16.95	0.00	0.00	0.00	0.00	0.00	0.00	90.35	90.35	185.00	185.00	100.00
22/11/2025	93.04	93.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.12	92.12	185.16	185.16	100.00
23/11/2025	95.62	95.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.92	93.92	189.54	189.54	100.00
24/11/2025	96.04	96.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.97	93.97	190.01	190.01	100.00
25/11/2025	95.46	95.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	93.39	93.39	188.85	188.85	100.00
26/11/2025	93.21	93.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.64	91.71	184.85	185.05	99.89
27/11/2025	92.89	92.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.08	92.08	184.96	184.96	100.00
28/11/2025	97.29	97.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.60	95.60	192.89	192.89	100.00
29/11/2025	78.26	78.26	22.93	22.93	0.00	0.00	0.00	0.00	0.00	0.00	96.85	96.85	198.04	198.04	100.00
30/11/2025	0.00	0.00	103.04	103.04	0.00	0.00	0.00	0.00	0.00	0.00	91.45	91.45	194.49	194.49	100.00
Total [ML]:	2658.02	2659.26	142.91	142.91	0.00	0.00	0.49	0.49	28.41	28.41	2788.16	2788.37	5617.99	5619.44	

Water Volume [%]:
 To Dose per reactor 99.95 % 100.00 % OL OL 100.00 % 99.9997 % 99.99 %
 To Dose Total 99.97 %

Notes: 1. Target Log value: 2.00

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-02-AA

WATER TREATMENT PLANT UV REPORT

Report Period: **November 2025**

Report Created: **Monday, December 01, 2025**

Date	Transmittance (%)				UVR_D100A [Log]		UVR_D200A [Log]		UVR_D300A [Log]		UVR_D400A [Log]		UVR_D500A [Log]		UVR_D600A [Log]	
	Branch 1		Branch 2		Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
	Avg.	Min.	Avg.	Min.												
01/11/2025	94.9	94.6	95.2	94.1	2.5	2.4	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
02/11/2025	94.9	93.9	95.1	94.7	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
03/11/2025	95.1	94.8	95.1	94.3	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.2
04/11/2025	95.4	94.5	95.3	94.8	2.7	0.0	OL	OL	OL	OL	2.3	0.0	OL	OL	2.5	2.3
05/11/2025	95.6	95.3	95.4	95.0	2.6	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
06/11/2025	95.8	95.6	95.4	95.1	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.3
07/11/2025	95.8	95.6	95.4	95.0	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.2
08/11/2025	95.8	95.5	95.3	94.9	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.4	1.9
09/11/2025	96.2	95.9	95.4	95.2	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.4	2.2
10/11/2025	96.5	96.3	95.5	95.2	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.4	2.2
11/11/2025	96.1	95.7	95.5	95.1	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.4	2.1
12/11/2025	95.2	94.5	95.5	95.4	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.4	2.1
13/11/2025	93.8	92.6	95.5	95.2	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	2.4	2.2
14/11/2025	92.0	90.6	95.6	95.3	2.5	2.2	OL	OL	OL	OL	OL	OL	OL	OL	2.5	1.9
15/11/2025	92.7	89.6	95.6	94.5	2.5	2.1	OL	OL	OL	OL	OL	OL	OL	OL	2.5	2.2
16/11/2025	92.5	91.7	95.5	95.1	2.5	2.2	OL	OL	OL	OL	OL	OL	OL	OL	2.4	2.2
17/11/2025	92.6	0.0	95.6	95.1	2.5	1.9	OL	OL	OL	OL	OL	OL	OL	OL	2.5	1.9
18/11/2025	94.4	94.3	95.4	95.3	2.5	2.3	OL	OL	OL	OL	OL	OL	3.6	0	3.2	1.8
19/11/2025	94.5	94.1	95.6	95.3	2.5	2.1	OL	OL	OL	OL	OL	OL	OL	OL	3.7	3.5
20/11/2025	94.4	94.1	95.5	94.7	2.4	1.9	OL	OL	OL	OL	OL	OL	2.1	0.0	3.8	3.4
21/11/2025	94.5	94.1	95.7	95.2	2.8	2.0	3.8	2.3	OL	OL	OL	OL	OL	OL	3.7	3.4
22/11/2025	94.4	94.2	96.0	95.5	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	3.7	3.5
23/11/2025	94.3	94.2	96.3	95.7	2.5	2.4	OL	OL	OL	OL	OL	OL	OL	OL	3.6	3.4
24/11/2025	94.2	93.9	96.7	96.0	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	3.8	3.4
25/11/2025	93.8	93.3	96.6	96.2	2.5	2.3	OL	OL	OL	OL	OL	OL	OL	OL	3.7	3.4
26/11/2025	93.9	93.6	97.5	95.9	2.5	0.0	OL	OL	OL	OL	OL	OL	OL	OL	3.9	0.0
27/11/2025	93.9	93.7	98.4	97.7	2.5	2.4	OL	OL	OL	OL	OL	OL	OL	OL	4.1	3.9
28/11/2025	93.8	93.4	96.3	93.4	2.5	2.4	OL	OL	OL	OL	OL	OL	OL	OL	3.4	2.3
29/11/2025	93.8	93.5	94.9	94.3	2.5	2.4	3.8	3.7	OL	OL	OL	OL	OL	OL	3.3	2.6
30/11/2025	94.0	93.6	95.9	95.5	OL	OL	2.5	2.4	OL	OL	OL	OL	OL	OL	3.6	3.3

Notes:
 1. UV target value is 2.00 [Log]
 2. OL - Off Line

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
WATER SERVICES

Water System Code: **252.00**
 Licence Number: **PWS-09-412-03**

WATER TREATMENT PLANT UV REPORT

Report Period: **December 2025**

Report Created: **Thursday, January 01, 2026**

Date	UVR-D100A		UVR-D200A		UVR-D300A		UVR-D400A		UVR-D500A		UVR-D600A		Total		% Volume Treated To Dose
	Water Volume		Water Volume [ML]		Water Volume		Water Volume [ML]		Water Volume		Water Volume		Water Volume [ML]		
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
01/12/2025	0.00	0.00	102.25	102.25	0.00	0.00	0.00	0.00	0.00	0.00	90.69	90.69	192.95	192.95	100.00
02/12/2025	0.00	0.00	102.26	102.26	0.00	0.00	0.00	0.00	0.00	0.00	90.73	90.73	192.99	192.99	100.00
03/12/2025	0.00	0.00	102.26	102.26	0.00	0.00	0.00	0.00	0.00	0.00	90.72	90.72	192.98	192.98	100.00
04/12/2025	0.00	0.00	65.05	65.05	0.00	0.00	0.00	0.00	0.00	0.00	59.78	59.78	124.83	124.83	100.00
05/12/2025	0.00	0.00	103.97	103.97	0.00	0.00	0.00	0.00	0.00	0.00	86.06	86.06	190.03	190.03	100.00
06/12/2025	0.00	0.00	103.66	103.66	0.00	0.00	0.00	0.00	0.00	0.00	85.75	85.75	189.40	189.40	100.00
07/12/2025	0.00	0.00	102.26	102.26	0.00	0.00	0.00	0.00	0.00	0.00	86.45	86.45	188.71	188.71	100.00
08/12/2025	0.00	0.00	99.93	99.93	0.00	0.00	0.00	0.00	53.24	53.24	35.67	35.67	188.83	188.83	100.00
09/12/2025	0.00	0.00	98.35	98.35	0.00	0.00	0.00	0.00	87.66	87.66	0.00	0.00	186.00	186.00	100.00
10/12/2025	0.00	0.00	98.44	98.44	0.00	0.00	0.00	0.00	87.57	87.57	0.00	0.00	186.00	186.00	100.00
11/12/2025	0.00	0.00	98.91	98.91	0.00	0.00	0.00	0.00	88.01	88.01	0.00	0.00	186.92	186.92	100.00
12/12/2025	0.00	0.00	102.10	102.10	0.00	0.00	0.00	0.00	90.88	90.88	0.00	0.00	192.98	192.98	100.00
13/12/2025	0.00	0.00	102.12	102.12	0.00	0.00	0.00	0.00	90.83	90.83	0.00	0.00	192.95	192.95	100.00
14/12/2025	0.00	0.00	99.36	99.36	0.00	0.00	0.00	0.00	88.58	88.58	0.00	0.00	187.94	187.94	100.00
15/12/2025	68.78	68.78	32.19	32.19	0.00	0.00	0.00	0.00	96.11	96.11	0.00	0.00	197.08	197.08	100.00
16/12/2025	88.47	88.68	0.14	0.14	0.00	0.00	54.85	54.85	47.36	47.36	0.18	0.18	191.00	191.21	99.89
17/12/2025	81.42	81.42	0.00	0.00	0.00	0.00	100.49	100.49	0.00	0.00	0.00	0.00	181.91	181.91	100.00
18/12/2025	77.55	77.55	0.00	0.00	0.00	0.00	95.44	95.44	0.00	0.00	0.00	0.00	172.99	172.99	100.00
19/12/2025	79.68	79.68	0.00	0.00	0.00	0.00	93.36	93.36	0.00	0.00	0.00	0.00	173.04	173.04	100.00
20/12/2025	84.95	84.95	0.00	0.00	0.00	0.00	89.01	89.01	0.00	0.00	0.00	0.00	173.96	173.96	100.00
21/12/2025	84.55	84.55	0.00	0.00	0.00	0.00	88.27	88.27	0.00	0.00	0.00	0.00	172.83	172.83	100.00
22/12/2025	82.95	82.95	0.00	0.00	0.00	0.00	87.05	87.05	0.00	0.00	0.00	0.00	170.00	170.00	100.00
23/12/2025	82.90	82.90	0.00	0.00	0.00	0.00	87.12	87.12	0.00	0.00	0.00	0.00	170.01	170.01	100.00
24/12/2025	83.01	83.01	0.00	0.00	0.00	0.00	87.19	87.19	0.00	0.00	0.00	0.00	170.20	170.20	100.00
25/12/2025	87.07	87.07	0.00	0.00	0.00	0.00	87.89	87.89	0.00	0.00	0.00	0.00	174.97	174.97	100.00
26/12/2025	88.94	88.94	0.00	0.00	0.00	0.00	88.47	88.47	0.00	0.00	0.00	0.00	177.41	177.41	100.00
27/12/2025	90.92	90.92	0.00	0.00	0.00	0.00	90.08	90.08	0.00	0.00	0.00	0.00	181.00	181.00	100.00
28/12/2025	90.94	90.94	0.00	0.00	0.00	0.00	90.07	90.07	0.00	0.00	0.00	0.00	181.01	181.01	100.00
29/12/2025	90.95	90.95	0.00	0.00	0.00	0.00	90.05	90.05	0.00	0.00	0.00	0.00	181.00	181.00	100.00
30/12/2025	86.57	86.57	0.00	0.00	0.00	0.00	86.68	86.68	0.00	0.00	0.00	0.00	173.25	173.25	100.00
31/12/2025	86.49	86.49	0.00	0.00	0.00	0.00	30.49	30.49	51.98	51.98	0.00	0.00	168.95	168.95	100.00
Total [ML]:	1436.13	1436.34	1413.24	1413.24	0.00	0.00	1346.50	1346.50	782.21	782.21	626.02	626.02	5604.10	5604.31	

Water Volume [%]:
 To Dose per reactor 99.985 % 100.00 % OL OL 100.00 % 100.00 % 100.00 %
 To Dose Total 99.996 %

Notes: 1. Target Log value: 2.00

Submitted By (Print): D. Merredew

Signature: Original signed by D. Merredew



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

Water System Code: 252.00
 Licence Number: PWS-09-412-03

WATER TREATMENT PLANT UV REPORT

Report Period: December 2025

Report Created: Thursday, January 01, 2026

Date	Transmittance (%)				UVR_D100A [Log]		UVR_D200A [Log]		UVR_D300A [Log]		UVR_D400A [Log]		UVR_D500A [Log]		UVR_D600A [Log]	
	Branch 1		Branch 2		Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
	Avg.	Min.	Avg.	Min.												
01/12/2025	93.9	93.7	96.2	95.7	OL	OL	2.5	2.4	OL	OL	OL	OL	OL	OL	3.6	3.4
02/12/2025	93.7	93.3	96.4	95.9	OL	OL	2.5	2.4	OL	OL	OL	OL	OL	OL	3.6	3.4
03/12/2025	93.7	93.3	96.7	96.3	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	3.8	3.4
04/12/2025	93.5	91.5	97.0	95.3	OL	OL	2.8	2.3	OL	OL	OL	OL	OL	OL	3.4	2.3
05/12/2025	92.3	91.5	94.8	0.1	OL	OL	2.5	2.3	OL	OL	OL	OL	OL	OL	2.5	2.1
06/12/2025	91.9	91.6	92.3	92.1	OL	OL	2.5	2.4	OL	OL	OL	OL	OL	OL	2.5	2.3
07/12/2025	91.7	91.4	92.1	91.8	OL	OL	2.5	2.1	OL	OL	OL	OL	OL	OL	2.5	2.2
08/12/2025	91.5	91.2	91.9	91.6	OL	OL	2.5	2.2	OL	OL	OL	OL	2.8	2.4	2.5	2.3
09/12/2025	91.7	91.3	92.1	91.7	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.3	OL	OL
10/12/2025	91.7	91.5	92.2	92.0	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.3	OL	OL
11/12/2025	91.6	91.2	92.0	91.6	OL	OL	2.5	2.2	OL	OL	OL	OL	2.5	2.3	OL	OL
12/12/2025	91.2	90.8	91.6	91.3	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.2	OL	OL
13/12/2025	91.5	91.2	92.0	91.7	OL	OL	2.5	2.2	OL	OL	OL	OL	2.5	2.3	OL	OL
14/12/2025	91.6	91.2	92.0	91.7	OL	OL	2.5	2.3	OL	OL	OL	OL	2.5	2.2	OL	OL
15/12/2025	92.0	91.6	92.4	92.1	2.6	2.3	2.5	2.4	OL	OL	OL	OL	2.5	2.2	OL	OL
16/12/2025	91.9	90.8	92.3	92.0	2.5	0.0	0.3	0.0	OL	OL	2.5	2.3	2.5	0	0.7	0.0
17/12/2025	91.9	91.5	92.3	92.0	2.5	2.3	OL	OL	OL	OL	2.5	2.4	OL	OL	OL	OL
18/12/2025	92.0	91.6	92.3	92.1	2.5	2.3	OL	OL	OL	OL	2.5	2.2	OL	OL	OL	OL
19/12/2025	91.8	91.5	92.1	91.9	2.5	2.3	OL	OL	OL	OL	2.5	2.4	OL	OL	OL	OL
20/12/2025	91.6	91.4	91.9	91.7	2.5	2.2	OL	OL	OL	OL	2.5	2.4	OL	OL	OL	OL
21/12/2025	91.9	91.4	92.3	91.7	2.5	2.2	OL	OL	OL	OL	2.5	2.4	OL	OL	OL	OL
22/12/2025	91.9	91.5	92.2	91.9	2.5	2.3	OL	OL	OL	OL	2.5	2.4	OL	OL	OL	OL
23/12/2025	91.8	91.6	92.1	91.9	2.5	2.3	OL	OL	OL	OL	2.5	2.4	OL	OL	OL	OL
24/12/2025	91.8	91.5	92.1	91.8	2.5	2.3	OL	OL	OL	OL	2.5	2.4	OL	OL	OL	OL
25/12/2025	91.6	91.2	91.9	90.9	2.5	1.9	OL	OL	OL	OL	2.5	1.9	OL	OL	OL	OL
26/12/2025	91.6	91.2	91.9	91.6	2.5	2.3	OL	OL	OL	OL	2.5	2.4	OL	OL	OL	OL
27/12/2025	91.7	91.4	92.0	91.6	2.5	2.2	OL	OL	OL	OL	2.5	2.4	OL	OL	OL	OL
28/12/2025	91.6	91.2	92.0	91.8	2.5	2.3	OL	OL	OL	OL	2.5	2.4	OL	OL	OL	OL
29/12/2025	91.7	90.8	92.0	91.7	2.5	2.3	OL	OL	OL	OL	2.5	2.4	OL	OL	OL	OL
30/12/2025	91.8	91.3	92.2	91.6	2.5	2.2	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL
31/12/2025	91.7	91.2	92.1	91.8	2.5	2.2	OL	OL	OL	OL	2.4	2.4	2.7	0.0	OL	OL

- Notes:
- UV target value is 2.00 [Log]
 - OL - Off Line

Submitted By (Print): D. Merredew

Signature: Original signed by D. Merredew

**2025 QUARTERLY TRIHALOMETHANE
SUMMARY REPORTS**



Water and Waste
Eaux et déchets

Environmental Standards Division

Total Trihalomethanes Summary Report

Reporting Period: Quarter 1 2025

License: PWS-09-412-02 AA

SAMPLE DATE	DISTRIBUTION SYSTEM THM RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Monday, May 6, 2024	34.3	34.1	35.5	36.0	32.9	33.5
Tuesday, August 6, 2024	55.7	64.9	50.5	65.3	55.4	56.7
Monday, November 4, 2024	41.3	41.7	41.9	43.7	36.2	36.4
Monday, February 3, 2025	38.8	37.2	39.0	38.7	36.0	39.8
RUNNING AVERAGE THM	42.5	44.5	41.7	45.9	40.1	41.6

COMMENTS:

Methodology

Modified from EPA Method 5021A, "Volatile Organic Compounds in Various Sample Matrices Using Equilibrium Headspace Analysis", Revision 2, July 2014 and EPA Method 8260B, "Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)", Revision 3, August 2006.



Water and Waste
Eaux et déchets

Environmental Standards Division

Total Trihalomethanes Summary Report

Reporting Period: Quarter 2 2025

License: PWS-09-412-02 AA

SAMPLE DATE	DISTRIBUTION SYSTEM THM RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Tuesday, August 6, 2024	55.7	64.9	50.5	65.3	55.4	56.7
Monday, November 4, 2024	41.3	41.7	41.9	43.7	36.2	36.4
Monday, February 3, 2025	38.8	37.2	39.0	38.7	36.0	39.8
Monday, May 5, 2025	32.4	29.2	29.1	29.4	30.4	31.4
RUNNING AVERAGE THM	42.1	43.3	40.1	44.3	39.5	41.1

COMMENTS:

Methodology

Modified from EPA Method 5021A, "Volatile Organic Compounds in Various Sample Matrices Using Equilibrium Headspace Analysis", Revision 2, July 2014 and EPA Method 8260B, "Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)", Revision 3, August 2006.



Water and Waste
Eaux et déchets

Environmental Standards Division

Total Trihalomethanes Summary Report

Reporting Period: Quarter 3 2025

License: PWS-09-412-02 AA

SAMPLE DATE	DISTRIBUTION SYSTEM THM RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Monday, November 4, 2024	41.3	41.7	41.9	43.7	36.2	36.4
Monday, February 3, 2025	38.8	37.2	39.0	38.7	36.0	39.8
Monday, May 5, 2025	32.4	29.2	29.1	29.4	30.4	31.4
Wednesday, August 27, 2025	40.2	39.9	42.8	40.2	37.0	32.9
RUNNING AVERAGE THM	38.2	37.0	38.2	38.0	34.9	35.1

COMMENTS:

Methodology

Modified from EPA Method 5021A, "Volatile Organic Compounds in Various Sample Matrices Using Equilibrium Headspace Analysis", Revision 2, July 2014 and EPA Method 8260B, "Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)", Revision 3, August 2006.



Water and Waste
Eaux et déchets

Environmental Standards Division

Total Trihalomethanes Summary Report

Reporting Period: Quarter 4 2025

License: PWS-09-412-02 AA

SAMPLE DATE	DISTRIBUTION SYSTEM THM RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Monday, February 3, 2025	38.8	37.2	39.0	38.7	36.0	39.8
Monday, May 5, 2025	32.4	29.2	29.1	29.4	30.4	31.4
Wednesday, August 27, 2025	40.2	39.9	42.8	40.2	37.0	32.9
Wednesday, November 12, 2025	33.2	34.3	32.9	36.8	33.1	36.5
RUNNING AVERAGE THM	36.2	35.2	36.0	36.3	34.1	35.2

COMMENTS:

Methodology

Modified from EPA Method 5021A, "Volatile Organic Compounds in Various Sample Matrices Using Equilibrium Headspace Analysis", Revision 2, July 2014 and EPA Method 8260B, "Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)", Revision 3, August 2006.

**2025 QUARTERLY HALOACETIC ACID
SUMMARY REPORTS**



Water and Waste
Eaux et déchets

Environmental Standards Division

Total Haloacetic Acids Summary Report

Reporting Period: Quarter 1 2025

License: PWS-09-412-02 AA

SAMPLE DATE	DISTRIBUTION SYSTEM HAA RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Monday, May 6, 2024	33.1	31.8	32.5	32.1	31.5	30.0
Tuesday, August 6, 2024	36.8	43.6	35.6	31.1	43.5	39.8
Monday, November 4, 2024	33.2	33.7	34.4	31.6	30.9	30.9
Monday, February 3, 2025	27.7	25.9	27.9	27.0	25.9	27.1
RUNNING AVERAGE HAA	32.7	33.8	32.6	30.5	33.0	32.0

COMMENTS:

Methodology

Modified from EPA Method 552.3, "Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-Liquid Micro extraction, Derivatization, and Gas Chromatography with Electron Capture Detection". Revision 1, July 2003



Water and Waste
Eaux et déchets

Environmental Standards Division

Total Haloacetic Acids Summary Report

Reporting Period: Quarter 2 2025

License: PWS-09-412-02 AA

SAMPLE DATE	DISTRIBUTION SYSTEM HAA RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Tuesday, August 6, 2024	36.8	43.6	35.6	31.1	43.5	39.8
Monday, November 4, 2024	33.2	33.7	34.4	31.6	30.9	30.9
Monday, February 3, 2025	27.7	25.9	27.9	27.0	25.9	27.1
Monday, May 5, 2025	27.9	29.0	27.2	28.3	28.5	31.3
RUNNING AVERAGE HAA	31.4	33.1	31.3	29.5	32.2	32.3

COMMENTS:

Methodology

Modified from EPA Method 552.3, "Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-Liquid Micro extraction, Derivatization, and Gas Chromatography with Electron Capture Detection". Revision 1, July 2003



Water and Waste
Eaux et déchets

Environmental Standards Division

Total Haloacetic Acids Summary Report

Reporting Period: Quarter 3 2025

License: PWS-09-412-02 AA

SAMPLE DATE	DISTRIBUTION SYSTEM HAA RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Monday, November 4, 2024	33.2	33.7	34.4	31.6	30.9	30.9
Monday, February 3, 2025	27.7	25.9	27.9	27.0	25.9	27.1
Monday, May 5, 2025	27.9	29.0	27.2	28.3	28.5	31.3
Monday, August 18, 2025	33.4	33.7	35.1	24.6	38.4	34.5
RUNNING AVERAGE HAA	30.6	30.6	31.2	27.9	30.9	31.0

COMMENTS:

Methodology

Modified from EPA Method 552.3, "Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-Liquid Micro extraction, Derivatization, and Gas Chromatography with Electron Capture Detection". Revision 1, July 2003



Water and Waste
Eaux et déchets

Environmental Standards Division

Total Haloacetic Acids Summary Report

Reporting Period: Quarter 4 2025

License: PWS-09-412-02 AA

SAMPLE DATE	DISTRIBUTION SYSTEM HAA RESULTS (ug/L)					
	WC-12	WC-06	NW-05	NE-09	SE-07	SW-08
Monday, February 3, 2025	27.7	25.9	27.9	27.0	25.9	27.1
Monday, May 5, 2025	27.9	29.0	27.2	28.3	28.5	31.3
Monday, August 18, 2025	33.4	33.7	35.1	24.6	38.4	34.5
Wednesday, November 12, 2025	28.3	29.0	28.9	28.8	28.8	29.9
RUNNING AVERAGE HAA	29.3	29.4	29.8	27.2	30.4	30.7

COMMENTS:

Methodology

Modified from EPA Method 552.3, "Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-Liquid Micro extraction, Derivatization, and Gas Chromatography with Electron Capture Detection". Revision 1, July 2003

2025 CORRECTIVE ACTION REPORTS



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

February 7, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-01-2025-WTP

Reported to ODW: February 3, 2025 @ 12:35

Reported by: Dan Merredew Water Treatment Operations Supervisor

Approved by: Dan Merredew Water Treatment Operations Supervisor

Incident Date: January 20, 2025

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type: Water Entering Distribution System Exceeds Turbidity Standard, 6(1) MR 41/2007

Description of Event and Corrective Actions:

On Thursday, January 20th Filter 3 experienced a turbidity spike above 1.0 NTU. The turbidity reached a maximum of 1.08 NTU at 17:18:51 and was above 1.0 NTU for 26 seconds. The filter had been giving higher than normal turbidity readings over the last few weeks. On the day of the event, Operations had been flow controlling the filter to keep it online when the spike occurred. Filter 3 was taken offline at 17:47:24 and remains out of service. Neither water quality nor safety were impacted by this event. All other treatment barriers including UV and chlorination remained online without issue during this event.

Test Results: see attached

Reference No: n/a

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Location	Date	Time	Analyzer Reading (NTU)	Grab Turbidity (NTU)
Post DAF Train 1	1/20/2025	17:16	0.79	ns
Post DAF Train 2	1/20/2025	17:16	0.63	ns
Filter 1	1/20/2025	17:18	0.08	ns
Filter 2	1/20/2025	17:18	0.17	ns
Filter 3 pre-spike	1/20/2025	17:16	0.15	ns
Filter 3	1/20/2025	17:18	1.08	ns
Filter 3 post-spike	1/20/2025	17:20	0.13	ns
Filter 4	1/20/2025	17:18	ol	ns
Filter 5	1/20/2025	17:18	0.13	ns
Filter 6	1/20/2025	17:18	0.04	ns
Filter 7	1/20/2025	17:18	0.03	ns
Filter 8	1/20/2025	17:18	0.01	ns

Notes/Comments:

1. ol - offline
2. ns - no sample
3. na - not applicable or not analyzed



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

February 7, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-02-2025-ESD

Reported to ODW:

Reported by: Courtney Diduck, Analytical Services Branch Head

Approved by: Courtney Diduck, Analytical Services Branch Head

Incident Date: January 21, 2025

Incident Location: Winnipeg 3-Dist (NE03)

Incident Type: Low Positive Total Coliform (<10 per100mL), 3 MR 41/2007

Description and Corrective Actions:

Environmental Standards:

IMMEDIATELY: Contacted the ODW and re-sampled original location for bacteria, turbidity, free/total chlorine, and temperature. Monitoring was terminated after two consecutive sets of re-samples taken 24 hours apart tested negative for bacteria.

Test Results: See attached

Reference No: Job 2160

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Sample Name	Sample Number	Date Sampled	E Coli (MPNU/100mL)	Total Coliform (MPNU/100mL)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Turbidity-field (ntu)	Temperature (°C)	Time Sampled (hrs)
NE03	723215	21-Jan-25	0	9	0.97	1.25	0.17	6.6	10:16
NE03_Resample 1	723976	22-Jan-25	0	0	0.99	1.29	0.16	6.3	14:59
NE03_Resample 2	724289	23-Jan-25	0	0	0.93	1.24	0.16	6.3	15:26

Notes/Comments:

1. All microbiological tests performed by contract laboratory.
2. ol - autosampler or process offline
3. na - not applicable or not analyzed



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

March 7, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-03-2025-ESD

Reported to ODW: February 25, 2025

Reported by: Courtney Diduck, Analytical Services Branch Head

Approved by: Courtney Diduck, Analytical Services Branch Head

Incident Date: February 24, 2025

Incident Location: Winnipeg 3-Dist (SW12)

Incident Type: Low Positive Total Coliform (<10 per100mL), 3 MR 41/2007

Description and Corrective Actions:

Environmental Standards:

IMMEDIATELY: Contacted the ODW and re-sampled original location for bacteria, turbidity, free/total chlorine, and temperature. Monitoring was terminated after two consecutive sets of re-samples taken 24 hours apart tested negative for bacteria.

Test Results: See attached

Reference No: Job 2178

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Sample Name	Sample Number	Date Sampled	E Coli (MPNU/100mL)	Total Coliform (MPNU/100mL)	Heterotrophic Plate Count (CFU/mL)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Turbidity-field (ntu)	Temperature (°C)	Time Sampled (hrs)
SW12	730829	24-Feb-25	0	1	<1	1.21	1.55	0.17	5.2	12:41
SW12_Resample 1	732268	25-Feb-25	0	0	na	0.99	1.33	0.17	4.6	14:29
SW12_Resample 2	732269	26-Feb-25	0	0	na	1.18	1.41	0.19	3.5	14:20

Notes/Comments:

1. All microbiological tests performed by contract laboratory.
2. ol - autosampler or process offline
3. na - not applicable or not analyzed



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

April 7, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-04-2025-WTP

Reported to ODW: April 1, 2025 @ 13:00

Reported by: Matthew Harrison, Water Treatment Operations Support Engineer

Approved by: Matthew Harrison, Water Treatment Operations Support Engineer

Incident Date: March 5, 2025

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type: Water Entering Distribution System Exceeds Turbidity Standard, 6(1) MR 41/2007

Description of Corrective Actions:

On March 5, 2025 while starting up the WTP after a planned shutdown, Filter 1 experienced a turbidity spike above 1.0 NTU. Prior to the event, Filter 1 was running at 0.08 NTU at initial start up. Due to WTP start up issues Filter 1 was isolated at 14:50:17. Filter 1 was brought back online at 14:55:13. When being brought back online the flow control valve opened more than required causing another flow surge. This flow surge resulted in a turbidity spike. The turbidity reached a maximum of 1.72 NTU at 15:01:18 and was above 1.0 NTU for 3 minutes at 57 seconds. Filter 1 was isolated again at 15:05:42 and brought back online at 15:19:00, by 15:48:43 turbidity had settled at approximately 0.07 NTU.

Neither water quality nor safety were impacted by this event. Chlorination and UV remained online while flow was going through the Filter.

Reference No: n/a

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Location	Date	Time	Analyzer Reading (NTU)	Grab Turbidity (NTU)
Post DAF Train 1	3/5/2025	14:25	0.74	NA
Post DAF Train 2	3/5/2025	14:25	0.78	NA
Filter 1 pre-spike	3/5/2025	14:49	0.08	NA
Filter 1	3/5/2025	15:01	1.72	NA
Filter 1	3/5/2025	15:19	0.44	NA
Filter 1 post-spike	3/5/2025	15:48	0.07	NA
Filter 2	3/5/2025	15:01	OL	OL
Filter 3	3/5/2025	15:01	OL	OL
Filter 4	3/5/2025	15:01	0.06	OL
Filter 5	3/5/2025	15:01	0.05	NA
Filter 6	3/5/2025	15:01	0.00	NA
Filter 7	3/5/2025	15:01	OL	OL
Filter 8	3/5/2025	15:01	0.04	NA

NOTES/COMMENTS:

1. All microbiological tests performed by contract laboratory.
2. OL - Autosampler or Process Offline
3. NA - Not Applicable



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

April 7, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-05-2025-WTP

Reported to ODW: March 19, 2025 @ 12:45

Reported by: Dan Merredew, Water Treatment Operations Supervisor

Approved by: Dan Merredew, Water Treatment Operations Supervisor

Incident Date: March 19, 2025

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type: Water Entering Distribution System Exceeds Turbidity Standard, 6(1) MR 41/2007

Description of Corrective Actions:

On March 19, 2025 Filter 4 experienced a turbidity spike above 1.0 NTU. The turbidity peaked at 5.0 NTU and stayed at this level from 11:47:53 till 11:49:00 (1 minute and 7 seconds). The filter stayed above 1.0 NTU from 11:46:42 until 11:49:00 (2 minutes and 18 seconds). The event was the result of the filter being in a drain down for a backwash. At this same time a planned network outage occurred on our SCADA system. The outage caused the filter flow valve to close and then open fully. This resulted in a surge of water going through the Filter resulting in a spike. When the network was enabled Operations saw the status of the Filter and it was immediately isolated.

Neither water quality nor safety were impacted by this event. Chlorination remained online while flow was going through the Filter. Once the WTP was returned to service our UV system was treating all filtered water that was stored in the Clearwell.

Reference No: n/a

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Location	Date	Time	Analyzer Reading (NTU)	Grab Turbidity (NTU)
Post DAF Train 1	3/19/2025	11:17	0.71	NA
Post DAF Train 2	3/19/2025	11:17	0.66	NA
Filter 1	3/19/2025	11:47	0.06	NA
Filter 2	3/19/2025	11:47	0.02	NA
Filter 3	3/19/2025	11:47	0.02	NA
Filter 4 pre-spike	3/19/2025	11:42	0.04	NA
Filter 4	3/19/2025	11:47 - 11:49	5.00	NA
Filter 4 post-spike	3/19/2025	11:49	Isolated for Backwash	NA
Filter 5	3/19/2025	11:47	0.01	NA
Filter 6	3/19/2025	11:47	0.06	NA
Filter 7	3/19/2025	11:47	0.04	NA
Filter 8	3/19/2025	11:47	0.04	NA

NOTES/COMMENTS:

1. All microbiological tests performed by contract laboratory.
2. OL - Autosampler or Process Offline
3. NA - Not Applicable



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

May 7, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-06-2025-WTP (F7)

Reported to ODW: April 28, 2025 @ 10:04

Reported by: Dan Merredew, Water Treatment Operations Supervisor

Approved by: Dan Merredew, Water Treatment Operations Supervisor

Incident Date: April 28, 2025

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type:

Water Entering Distribution System Exceeds Turbidity Standard, 6(1) MR 41/2007

Description of Corrective Actions:

On April 28, 2025, Filter 7 experienced a turbidity spike above 1.0 NTU. Prior to the event, technical staff did not put the instrument into the hold position while performing calibrations on the instrument. As a result, the turbidity spiked immediately to 2.51 NTU at 09:53:38. The filter was isolated at 09:54:17 until 10:06:03. When the filter was returned to service the reading was 0.03 NTU.

Neither water quality nor safety were impacted by this event. All other treatment barriers including UV and chlorination remained online without issue during this event.

Reference No: n/a

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Location	Date	Time	Analyzer Reading (NTU)	Grab Turbidity (NTU)
Post DAF Train 1	4/28/2025	9:23	0.64	NA
Post DAF Train 2	4/28/2025	9:23	0.55	NA
Filter 1	4/28/2025	9:53	0.05	NA
Filter 2	4/28/2025	9:53	0.04	NA
Filter 3	4/28/2025	9:53	0.02	NA
Filter 4	4/28/2025	9:53	0.06	NA
Filter 5	4/28/2025	9:53	0.06	NA
Filter 6	4/28/2025	9:53	0.06	NA
Filter 7 - pre-spike	4/28/2025	9:53	0.18	0.12
Filter 7	4/28/2025	9:53-9:54	2.51	NA
Filter 7- post spike	4/28/2025	10:06	0.03	0.07 @ 10:10
Filter 8	4/28/2025	9:53	0.06	NA

NOTES/COMMENTS:

1. All microbiological tests performed by contract laboratory.
2. OL - Autosampler or Process Offline
3. NA - Not Applicable



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

May 7, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-07-2025-ESD

Reported to ODW: April 30, 2025

Reported by: Courtney Diduck, Analytical Services Branch Head

Approved by: Courtney Diduck, Analytical Services Branch Head

Incident Date: April 29, 2025

Incident Location: Winnipeg 3-Dist (SE08)

Incident Type: Low Positive Total Coliform (<10 per100mL), 3 MR 41/2007

Description and Corrective Actions:

Environmental Standards:

IMMEDIATELY: Contacted the ODW and re-sampled original location for bacteria, turbidity, free/total chlorine, and temperature. Monitoring was terminated after two consecutive sets of re-samples taken 24 hours apart tested negative for bacteria.

Test Results: See attached

Reference No: Job 2202

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Sample Name	Sample Number	Date Sampled	E Coli (MPNU/100mL)	Total Coliform (MPNU/100mL)	Heterotrophic Plate Count (CFU/mL)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Turbidity-field (ntu)	Temperature (°C)	Time Sampled (hrs)
SE08	747653	29-Apr-25	0	3	<1	1.04	1.17	0.16	5.6	13:00
SE08_Resample 1	748504	30-Apr-25	0	0	na	1.00	1.19	1.18	5.5	12:55
SE08_Resample 1 (Duplicate)	748505	30-Apr-25	0	0	na	1.02	1.21	1.20	5.5	12:58
SE08_Resample 2	748560	30-Apr-25	na	na	na	0.99	1.12	0.46	5.2	14:37
SE08_Resample 3	748561	1-May-25	0	0	na	1.02	1.28	0.16	5.7	14:30
SE08_Resample 3 (Duplicate)	748562	1-May-25	0	0	na	1.04	1.28	0.16	5.7	14:35

Notes/Comments:

1. All microbiological tests performed by contract laboratory.
2. ol - autosampler or process offline
3. na - not applicable or not analyzed



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

May 7, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-08-2025-ESD

Reported to ODW: May 1, 2025

Reported by: Courtney Diduck, Analytical Services Branch Head

Approved by: Courtney Diduck, Analytical Services Branch Head

Incident Date: April 30, 2025

Incident Location: Winnipeg 3-Dist (SE06)

Incident Type: Low Positive Total Coliform (<10 per100mL), 3 MR 41/2007

Description and Corrective Actions:

Environmental Standards:

IMMEDIATELY: Contacted the ODW and re-sampled original location for bacteria, turbidity, free/total chlorine, and temperature. Monitoring was terminated after two consecutive sets of re-samples taken 24 hours apart tested negative for bacteria.

Test Results: See attached

Reference No: Job 2206

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Sample Name	Sample Number	Date Sampled	E Coli (MPNU/100mL)	Total Coliform (MPNU/100mL)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Turbidity-field (ntu)	Temperature (°C)	Time Sampled (hrs)
SE06	747935	30-Apr-25	0	1	0.97	1.14	0.21	5.5	12:30
SE06_Resample 1	748905	1-May-25	0	0	0.97	1.09	0.14	5.2	15:00
SE06_Resample 1 (Duplicate)	748906	1-May-25	0	0	0.95	1.06	0.17	5.1	15:05
SE06_Resample 2	748907	2-May-25	0	0	1.05	1.25	0.13	6.3	14:48
SE06_Resample 1 (Duplicate)	748908	2-May-25	0	0	1.03	1.27	0.13	6.3	14:51

Notes/Comments:

1. All microbiological tests performed by contract laboratory.
2. ol - autosampler or process offline
3. na - not applicable or not analyzed



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

June 6, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR_09-2025

Reported to ODW: May 17, 2025

Reported by: Courtney Diduck, Analytical Services Branch Head

Approved by: Courtney Diduck, Analytical Services Branch Head

Incident Date: May 16, 2025

Incident Location: Winnipeg 3-Dist_WMCP

Incident Type: (choose all that apply)

Low Positive Total Coliform (<10 per100mL), 3 MR 41/2007

Description of Event and Corrective Actions:

Environmental Standards:

IMMEDIATELY: Contacted the ODW and Water Services.

Water Services:

Re-flushed the affected sequence, and re-sampled original location for bacteria, turbidity, and free chlorine. Monitoring and flushing was terminated after two consecutive sets of re-samples taken 24 hours apart tested negative for bacteria.

Test Results: See attached.

Reference No: Job_2308

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Sample Name	Sample Number	Date Sampled	E Coli (MPNU/100mL)	Total Coliform (MPNU/100mL)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Turbidity (ntu)	Temperature (°C)	Time Sampled (hrs)
Hydrant Post Flush 2 (Seq 20)	752803	16-May-25	0	3	1.16	1.26	0.39	12.2	12:58
Hydrant Post Flush Resample	758495	17-May-25	0	0	1.09	na	0.62	na	13:00
Hydrant Post Flush Resample 2	758496	18-May-25	0	0	1.25	na	0.97	na	13:30

Notes/Comments:

1. All microbiological tests performed by contract laboratory.
2. ol - autosampler or process offline
3. na - not applicable or not analyzed



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

June 6, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR_10-2025

Reported to ODW: May 30, 2025

Reported by: Krista Wazny, Laboratory Supervisor

Approved by: Courtney Diduck, Analytical Services Branch Head

Incident Date: May 29, 2025

Incident Location: Winnipeg 3-Dist_WMCP

Incident Type: (choose all that apply)

Low Positive Total Coliform (<10 per100mL), 3 MR 41/2007

Description of Event and Corrective Actions:

Environmental Standards:

IMMEDIATELY: Contacted the ODW and Water Services.

Water Services:

Re-flushed the affected sequence, and re-sampled original location for bacteria, turbidity, and free chlorine. Monitoring and flushing was terminated after two consecutive sets of re-samples taken 24 hours apart tested negative for bacteria.

Test Results: See attached.

Reference No: Job_2309

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Sample Name	Sample Number	Date Sampled	E Coli (MPNU/100mL)	Total Coliform (MPNU/100mL)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Turbidity (ntu)	Temperature (°C)	Time Sampled (hrs)
Hydrant Post Flush 3 (Seq 108)	756239	29-May-25	0	1	0.9	1.22	2.79	13.4	14:29
Hydrant Post Flush Resample	758497	30-May-25	0	0	1.10	na	0.21	na	19:05
Hydrant Post Flush Resample 2	758498	31-May-25	0	0	1.04	na	0.21	na	17:00

Notes/Comments:

1. All microbiological tests performed by contract laboratory.
2. ol - autosampler or process offline
3. na - not applicable or not analyzed



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

July 7, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-11-2025-WTP (F6)

Reported to ODW: June 14, 2025 @ 19:50

Reported by: Dan Merredew, Water Treatment Operations Supervisor

Approved by: Dan Merredew, Water Treatment Operations Supervisor

Incident Date: June 14, 2025

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type: Water Entering Distribution System Exceeds Turbidity Standard, 6(1) MR 41/2007

Description of Corrective Actions:

On June 14, 2025 Filter 6 experienced a turbidity spike above 1.0 NTU. The turbidity reached 4.62 NTU at 17:48:27 and was above 0.3 NTU for 65 seconds. The spike was due to material sloughing off the sample line and was not a true indication of process turbidity.

Neither water quality nor safety were impacted by this event. All other treatment barriers including UV and chlorination remained online without issue during this event. All other filter performance was normal during this time frame.

Reference No: n/a

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Location	Date	Time	Analyzer Reading (NTU)	Grab Turbidity (NTU)
Post DAF Train 1	6/14/2025	17:15	0.39	na
Post DAF Train 2	6/14/2025	17:15	0.65	na
Filter 1	6/14/2025	17:48	0.14	na
Filter 2	6/14/2025	17:48	0.06	na
Filter 3	6/14/2025	17:48	0.06	na
Filter 4	6/14/2025	17:48	0.13	na
Filter 5	6/14/2025	17:48	0.01	na
Filter 6 - pre spike	6/14/2025	17:48:19	0.11	na
Filter 6 - spike	6/14/2025	17:48:27	4.62	na
Filter 6 - post spike	6/14/2025	17:49:24	0.18	na
Filter 7	6/14/2025	17:48	0.01	na
Filter 8	6/14/2025	17:48	0.01	na

NOTES/COMMENTS:

1. All microbiological tests performed by contract laboratory.
2. OL - Autosampler or Process Offline
3. NA - Not Applicable



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

July 8, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-12-2025-WTP (F1)

Reported to ODW: July 4, 2025 @ 08:10

Reported by: Matthew Harrison, Water Treatment Operations Support Engineer

Approved by: Matthew Harrison, Water Treatment Operations Support Engineer

Incident Date: July 3, 2025

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type: Water Entering Distribution System Exceeds Turbidity Standard, 6(1) MR 41/2007

Description of Corrective Actions:

On July 3, 2025, Filter 1 experienced a turbidity spike above 1.0 NTU. The turbidity reached a maximum of 1.58 NTU at 23:00:39 and was above 1.0 NTU for 17 seconds. This event occurred during a flow surge while bringing the Train 1 DAFs online. The spike was indicative of material sloughing off in the sample line due to the flow surge and is not a true indication of process turbidity. Neither water quality nor safety were impacted by this event. All other treatment barriers including UV and chlorination remained online without issue during this event.

Reference No: n/a

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Location	Date	Time	Analyzer Reading (NTU)	Grab Turbidity (NTU)
Post DAF Train 1	7/3/2025	22:30:38	0.45	na
Post DAF Train 2	7/3/2025	22:30:38	0.77	na
Filter 1 – pre spike	7/3/2025	23:00:19	0.09	na
Filter 1 – spike	7/3/2025	23:00:39	1.58	na
Filter 1 – post spike	7/3/2025	23:00:59	0.33	na
Filter 2	7/3/2025	23:00:39	0.08	na
Filter 3	7/3/2025	23:00:39	0.15	na
Filter 4	7/3/2025	23:00:39	0.18	na
Filter 5	7/3/2025	23:00:39	0.00	na
Filter 6	7/3/2025	23:00:39	0.07	na
Filter 7	7/3/2025	23:00:39	0.04	na
Filter 8	7/3/2025	23:00:39	0.03	na

NOTES/COMMENTS:

1. All microbiological tests performed by contract laboratory.
2. OL - Autosampler or Process Offline
3. NA - Not Applicable



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

July 8, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-13-2025-WTP (F1)

Reported to ODW: July 5, 2025 @ 20:15

Reported by: Dan Merredew, Water Treatment Operations Supervisor

Approved by: Dan Merredew, Water Treatment Operations Supervisor

Incident Date: July 5, 2025

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type: Water Entering Distribution System Exceeds Turbidity Standard, 6(1) MR 41/2007

Description of Corrective Actions:

On July 5, 2025, Filter 1 experienced a turbidity spike above 1.0 NTU. The turbidity reached 1.90 NTU at 17:40:11 and was above 1.0 NTU from 17:39:54 to 17:40:22. The spike was due to material sloughing off the sample line and was not a true indication of process turbidity. Neither water quality nor safety were impacted by this event. All other treatment barriers including UV and chlorination remained online without issue during this event. All other filter performance was normal during this time frame.

Reference No: n/a

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Location	Date	Time	Analyzer Reading (NTU)	Grab Turbidity (NTU)
Post DAF Train 1	7/5/2025	17:07	0.41	na
Post DAF Train 2	7/5/2025	17:07	0.53	na
Filter 1 - pre spike	7/5/2025	17:34:05	0.02	na
Filter 1 - spike	7/5/2025	17:40:11	1.90	na
Filter 1 - post spike	7/5/2025	17:42:06	0.02	na
Filter 2	7/5/2025	17:40	0.05	na
Filter 3	7/5/2025	17:40	backwash	na
Filter 4	7/5/2025	17:40	0.10	na
Filter 5	7/5/2025	17:40	0.13	na
Filter 6	7/5/2025	17:40	0.07	na
Filter 7	7/5/2025	17:40	0.07	na
Filter 8	7/5/2025	17:40	0.01	na

NOTES/COMMENTS:

1. All microbiological tests performed by contract laboratory.
2. OL - Autosampler or Process Offline
3. NA - Not Applicable



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

Aug 1, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-14-2025-WTP (F1)

Reported to ODW: Aug 1, 2025 @ 14:48

Reported by: Heather Buhler, Water Treatment Systems Engineer

Approved by: Heather Buhler, Water Treatment Systems Engineer

Incident Date: July 9, 2025

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type: Water Entering Distribution System Exceeds Turbidity Standard, 6(1) MR 41/2007

Description of Corrective Actions:

On July 9, 2025, Filter 1 experienced a turbidity spike above 1.0 NTU. The turbidity reached 1.17 NTU at 19:49:05 and was above 1.0 NTU for 8 seconds from 19:49:01 to 19:49:09. The spike was due to material sloughing off the sample line and was not a true indication of process turbidity. Neither water quality nor safety were impacted by this event. All other treatment barriers including UV and chlorination remained online without issue during this event. All other filter performance was normal during this time frame.

Reference No: n/a

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Location	Date	Time	Analyzer Reading (NTU)	Grab Turbidity (NTU)
Post DAF Train 1	7/9/2025	19:19	0.67	na
Post DAF Train 2	7/9/2025	19:19	0.73	na
Filter 1 pre spike	7/9/2025	19:48	0.03	na
Filter 1 spike	7/9/2025	19:49	1.17	na
Filter 1 post Spike	7/9/2025	19:50	0.03	na
Filter 2	7/9/2025	19:49	0.06	na
Filter 3	7/9/2025	19:49	0.05	na
Filter 4	7/9/2025	19:49	0.10	na
Filter 5	7/9/2025	19:49	0.07	na
Filter 6	7/9/2025	19:49	0.14	na
Filter 7	7/9/2025	19:49	0.09	na
Filter 8	7/9/2025	19:49	backwash	na

NOTES/COMMENTS:

1. All microbiological tests performed by contract laboratory.
2. OL - Autosampler or Process Offline
3. NA - Not Applicable



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

Aug 1, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-15-2025-WTP (F1)

Reported to ODW: Aug 1, 2025 @ 14:48

Reported by: Heather Buhler, Water Treatment Systems Engineer

Approved by: Heather Buhler, Water Treatment Systems Engineer

Incident Date: July 22, 2025

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type: (choose all that apply)

Water Entering Distribution System Exceeds Turbidity Standard, 6(1) MR 41/2007

Description of Corrective Actions:

On July 22, 2025, Filter 1 experienced a turbidity spike above 1.0 NTU. While technical staff were performing chemical cleaning on the instrument, user input caused the instrument to hold an erroneous reading for 15 minutes before the analyzer returned to normal operation. A maximum turbidity of 2.17 NTU was reported from 11:13:32 to 11:28:15. Turbidity from the event was above 1.00 NTU for 15 minutes and 6 seconds from 11:13:22 to 11:28:28. The recorded value was not a true turbidity going through the filter. Neither water quality nor safety were impacted by this event. All other treatment barriers including UV and chlorination remained online without issue during this event.

Reference No: n/a

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Location	Date	Time	Analyzer Reading (NTU)	Grab Turbidity (NTU)
Post DAF Train 1	7/22/2025	10:45	0.95	na
Post DAF Train 2	7/22/2025	10:45	0.64	na
Filter 1 - pre chemical clean and spike	7/22/2025	10:58	0.05	0.08
Filter 1 - chemical clean hold value	7/22/2025	10:58 - 11:12	0.04	na
Filter 1 - chemical clean spike hold value	7/22/2025	11:13 - 11:28	2.17	na
Filter 1 - post chemical clean	7/22/2025	11:15	na	0.08
Filter 1 - post chemical clean spike hold value	7/22/2025	11:28:00	0.07	na
Filter 2	7/22/2025	11:28	0.05	na
Filter 3	7/22/2025	11:28	0.06	na
Filter 4	7/22/2025	11:28	backwash	na
Filter 5	7/22/2025	11:28	0.10	na
Filter 6	7/22/2025	11:28	0.19	na
Filter 7	7/22/2025	11:28	filter to recycle	na
Filter 8	7/22/2025	11:28	0.06	na

NOTES/COMMENTS:

1. All microbiological tests performed by contract laboratory.
2. OL - Autosampler or Process Offline
3. NA - Not Applicable



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

September 5, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-16-2025

Reported to ODW: September 2, 2025 @ 15:00

Reported by: Dan Merredew Water Treatment Operations Supervisor

Approved by: Dan Merredew Water Treatment Operations Supervisor

Incident Date: August 3, 2025

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type:

Low Disinfectant Residual Entering Distribution System (<0.5 mg/L free chlorine), 22(1) MR 40/2007

Description of Corrective Actions:

On August 3, 2025, a Manitoba Hydro power sag caused the Water Treatment Plant to be offline from 05:10 until 10:00. Shortly after startup the free chlorine residual on the Branch 1 analyzer in the Deacon Booster Pumping Station decreased rapidly, reaching a minimum of 0.45 mg/L at 10:09. The free chlorine residual was reading under 0.50 mg/L for 54 seconds, after which chlorine readings returned to similar levels to those recorded prior to the sudden drop. Throughout this time, Branch 2, which shares the same bulk treated water source as Branch 1, maintained a stable free chlorine residual around 0.75 mg/L. This event is indicative of an instrumentation error on Branch 1 caused by flow changes in the analyzer sample line upon Water Treatment Plant startup and is not reflective of the free chlorine residual in the bulk treated water.

Neither water quality nor safety were impacted by this event. All other treatment barriers including UV and filtration were online without issue and the Branch 2 analyzer recorded sufficient chlorination throughout this event.

Reference No: n/a

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Location	Date	Time	Free Chlorine Analyzer Reading (mg/L)	Free Chlorine Grab (mg/L)
Branch 1 - Pre-Dip	8/3/2025	10:07	0.99	na
Branch 2	8/3/2025	10:07	0.75	na
Branch 1 - Dip	8/3/2025	10:09	0.45	na
Branch 2	8/3/2025	10:09	0.76	na
Branch 1 - Post-Dip	8/3/2025	10:11	0.88	na
Branch 2	8/3/2025	10:11	0.74	na
Branch 1 - Post-Dip	8/3/2025	10:13	1.04	na
Branch 2	8/3/2025	10:13	0.74	na

NOTES/COMMENTS:

1. All microbiological tests performed by contract laboratory.
2. OL - Autosampler or Process Offline
3. NA - Not Applicable



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

November 7, 2025

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-17-2025-WTP (F6)

Reported to ODW: October 13, 2025 @ 22:30

Reported by: Heather Buhler, Water Treatment Systems Engineer

Approved by: Heather Buhler, Water Treatment Systems Engineer

Incident Date: October 13, 2025

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type: Water Entering Distribution System Exceeds Turbidity Standard, 6(1) MR 41/2007

Description of Corrective Actions:

On October 13, 2025, Filter 6 experienced a turbidity spike above 1.0 NTU. The turbidity reached a maximum of 2.13 NTU at 21:30:49 and was above 1.0 NTU for 41 seconds. The spike was due to material sloughing off the sample line and was not a true indication of process turbidity. Neither water quality nor safety were impacted by this event. All other treatment barriers including UV and chlorination remained online without issue during this event. All other filter performance was normal during this time frame.

Reference No: n/a

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

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Location	Date	Time	Analyzer Reading (NTU)	Grab Turbidity (NTU)
Post DAF Train 1	10/13/2025	21:31:00	0.40	na
Post DAF Train 2	10/13/2025	21:31:00	0.48	na
Filter 1	10/13/2025	21:31:00	0.11	na
Filter 2	10/13/2025	21:31:00	0.04	na
Filter 3	10/13/2025	21:31:00	0.01	na
Filter 4	10/13/2025	21:31:00	0.07	na
Filter 5	10/13/2025	21:31:00	0.05	na
Filter 6 - pre spike	10/13/2025	21:30:28	0.03	na
Filter 6 - spike	10/13/2025	21:30:49	2.13	na
Filter 6 - post spike	10/13/2025	21:31:42	0.05	na
Filter 7	10/13/2025	21:31:00	0.04	na
Filter 8	10/13/2025	21:31:00	backwashing	na

Notes/Comments:

1. ol - offline
2. ns - no sample
3. na - not applicable or not analyzed



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

March 31, 2026

RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00

Incident No: CAR-18-2025-ESD (AQB1MC)

Reported to ODW: November 8, 2025

Reported by: Courtney Diduck, Analytical Services Branch Head

Approved by: Courtney Diduck, Analytical Services Branch Head

Incident Date: November 7, 2025

Incident Location: Winnipeg 3-Dist (Maintenance)

Incident Type:

Low Positive Total Coliform (<10 per100mL), 3 MR 41/2007

Description of Event and Corrective Actions:

On November 3, 2025, the Branch 1 Aqueduct from the Water Treatment Plant to McPhillips Pumping Station was shut down (drained and de-chlorinated) for routine maintenance. On November 7, 2025, the Branch 1 Aqueduct was returned to service and a sample was collected for bacterial analysis from the Branch 1 Aqueduct at McPhillips Pumping Station. Environmental Standards immediately notified the ODW and Operations of the positive sample result and collected resamples at the original location for bacterial and chlorine analysis until two consecutive negative bacteria results were obtained, at least 24 hours apart. Chlorine samples were also collected at two downstream locations. Neither water quality nor safety were impacted by this event as the water is re-chlorinated at the McPhillips Pumping Station prior to entering the distribution system.

Test Results: See attached

Reference No: Job_2522

EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER IN SITUATIONS REQUIRING IMMEDIATE REPORTING

N:\Environmental Standards\Analytical Services\Government Agencies\Office of Drinking Water\Corrective Action Reports



Sample Name	Sample Number	Date Sampled	E Coli (MPNU/100mL)	Total Coliform (MPNU/100mL)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Time Sampled (hrs)
AQ_B1MC	795976	7-Nov-25	0	1	0.07	0.17	7:18
AQ_B1MC_Resample 1	795977	8-Nov-25	0	0	1.20	1.44	8:14
AQ_B1MC_Resample 2	798566	9-Nov-25	0	0	1.33	1.61	15:32
MCP_PC (downstream)	798567	9-Nov-25	na	na	0.79	1.05	15:39
MCP_MIS (downstream)	798569	9-Nov-25	na	na	1.17	1.41	15:55

Notes/Comments:

1. All microbiological tests performed by contract laboratory.
2. ol - autosampler or process offline
3. na - not applicable or not analyzed

2025 QUARTERLY FLUORIDE MONITORING REPORTS



Fluoride Monitoring Report
Q1-2025

Location	Sample Number	Date	Fluoride (mg/L)
Distribution System Composite (39 Locations)	719002	6-Jan-25	0.63
	720670	13-Jan-25	0.64
	722374	20-Jan-25	0.69
	724096	27-Jan-25	0.71
	725917	3-Feb-25	0.70
	727558	10-Feb-25	0.70
	729207	18-Feb-25	0.70
	730832	24-Feb-25	0.67
	732732	3-Mar-25	0.69
	734421	10-Mar-25	0.74
	736080	17-Mar-25	0.72
	738362	24-Mar-25	0.72
	740122	31-Mar-25	0.75

Comments:

Report Date : April 22, 2025



Fluoride Monitoring Report Q2-2025

Location	Sample Number	Date	Fluoride (mg/L)
Distribution System Composite (39 Locations)	741912	7-Apr-25	0.72
	743550	14-Apr-25	0.77
	745280	22-Apr-25	0.71
	746797	28-Apr-25	0.70
	748633	5-May-25	0.76
	750488	12-May-25	0.73
	752418	20-May-25	0.71
	754313	26-May-25	0.70
	756358	2-Jun-25	0.70
	758436	9-Jun-25	0.70
	760340	16-Jun-25	0.72
	762314	23-Jun-25	0.72
	764269	30-Jun-25	0.69

Comments:

Report Date : July 21, 2025



Fluoride Monitoring Report Q3-2025

Location	Sample Number	Date	Fluoride (mg/L)
Distribution System Composite (39 Locations)	766169	7-Jul-25	0.72
	768072	14-Jul-25	0.71
	769905	21-Jul-25	0.68
	771647	28-Jul-25	0.69
	773523	5-Aug-25	0.69
	775225	11-Aug-25	0.70
	776996	18-Aug-25	0.68
	778891	25-Aug-25	0.69
	780690	2-Sep-25	0.71
	782363	8-Sep-25	0.68
	784158	15-Sep-25	0.70
	785801	22-Sep-25	0.69
	787534	29-Sep-25	0.67

Comments:

Report Date :

October 20, 2025



**Fluoride Monitoring Report
Q4-2025**

Location	Sample Number	Date	Fluoride (mg/L)
Distribution System Composite (39 Locations)	789285	6-Oct-25	0.68
	791043	14-Oct-25	0.65
	792553	20-Oct-25	0.67
	794330	28-Oct-25	0.67
	796116	3-Nov-25	0.67
	797942	10-Nov-25	0.72
	799443	17-Nov-25	0.73
	801059	24-Nov-25	0.65
	802850	1-Dec-25	0.58
	804715	8-Dec-25	0.62
	806653	15-Dec-25	0.62
	808419	22-Dec-25	0.64
	809956	29-Dec-25	0.65

Comments:

Report Date : January 16, 2026

2025 MONTHLY ALGAE MONITORING REPORTS



Water and Waste
Eaux et déchets

Algae Monitoring Report

Year: 2025
Month: June

Instructions:

Complete this form weekly from June to September

If a bloom is present, take photos and report the bloom to your regional Drinking Water Officer

Submit completed forms to your regional Drinking Water Officer in the first week of October

Visual Inspection

Date	June 2, 2025		June 9, 2025		June 16, 2025		June 23, 2025		June 30, 2025	
Name (Print)	Derek Eydson		Derek Eydson		Derek Eydson		Derek Eydson		Derek Eydson	
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Shoal Lake Intake	X		X		X		X		X	

Visual Inspection

Date	June 5, 2025		June 11, 2025		June 18, 2025		June 25, 2025			
Name (Print)	Dan Merredew		Dan Merredew		Dan Merredew		Dan Merredew			
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Deacon Cell 1	X		X		X		X			
Deacon Cell 2	X		X		X		X			
Deacon Cell 3	X			X	X		X			
Deacon Cell 4	X			X	X		X			

Submitted by (Print): Dan Merredew

Signature: 



Algae Monitoring Report

Year: 2025

Month: June

Instructions:

Complete this form monthly from June to September

If a bloom is present, take photos and report the bloom to your regional Drinking Water Officer

Submit completed forms to your regional Drinking Water Officer in the first week of October

Visual Inspection

Date	24-Jun-25									
Name (Print)	Mason Dyck/Brett Zastre									
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Shoal Lake Intake	X									

Visual Inspection

Date	17-Jun-25									
Name (Print)	Mason Dyck/Brett Zastre									
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Deacon Cell 1	X									
Deacon Cell 2	X									
Deacon Cell 3	X									
Deacon Cell 4	X									

Submitted by (Print): Courtney Diduck, Analytical Service Branch Head

Signature:



Algae Monitoring Report

Year: 2025
Month: July

Instructions:

Complete this form weekly from June to September
If a bloom is present, take photos and report the bloom to your regional Drinking Water Officer
Submit completed forms to your regional Drinking Water Officer in the first week of October

Visual Inspection

Date	July 7		July 14		July 21		July 28			
Name (Print)	Derels Eyolfson		Derels Eyolfson		Derels Eyolfson		Derels Eyolfson			
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Shoal Lake Intake	X		X		X		X			

Visual Inspection

Date	July 4		July 10		July 17		July 23		July 29	
Name (Print)	Dan Merredew		Dan Merredew		Dan Merredew		Dan Merredew		Dan Merredew	
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Deacon Cell 1	X		X		X		X		X	
Deacon Cell 2	X		X		X		X		X	
Deacon Cell 3	X		X		X		X		X	
Deacon Cell 4	X		X		X		X		X	

Submitted by (Print): Dan Merredew

Signature:



Algae Monitoring Report

Year: 2025

Month: July

Instructions:

Complete this form monthly from June to September

If a bloom is present, take photos and report the bloom to your regional Drinking Water Officer

Submit completed forms to your regional Drinking Water Officer in the first week of October

Visual Inspection

Date	23-Jul-25									
Name (Print)	Mason Dyck/Brett Zastre									
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Shoal Lake Intake	X									

Visual Inspection

Date	25-Jul-25		28-Jul-25							
Name (Print)	Mason Dyck/Brett Zastre		Mason Dyck/Brett Zastre							
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Deacon Cell 1	X									
Deacon Cell 2	X									
Deacon Cell 3			X							
Deacon Cell 4	X									

Submitted by (Print): Courtney Diduck, Analytical Service Branch Head

Signature: 



Water and Waste
Eaux et déchets

Algae Monitoring Report

Year: 2025
Month: August

Instructions:

Complete this form weekly from June to September
If a bloom is present, take photos and report the bloom to your regional Drinking Water Officer
Submit completed forms to your regional Drinking Water Officer in the first week of October

Visual Inspection

Date	August 4		August 11		August 18		August 25			
Name (Print)	Derek Eydson		Derek Eydson		Derek Eydson		Derek Eydson			
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Shoal Lake Intake	X		X		X		X			

Visual Inspection

Date	August 7		August 14		August 20		August 27			
Name (Print)	Dan Merredew		Dan Merredew		Dan Merredew		Dan Merredew			
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Deacon Cell 1	X		X		X		X			
Deacon Cell 2	X		X		X		X			
Deacon Cell 3	X		X		X		X			
Deacon Cell 4	X		X		X		X			

Submitted by (Print): Dan Merredew

Signature:



Algae Monitoring Report

Year: 2025

Month: August

Instructions:

Complete this form monthly from June to September

If a bloom is present, take photos and report the bloom to your regional Drinking Water Officer

Submit completed forms to your regional Drinking Water Officer in the first week of October


Visual Inspection

Date	20-Aug-25									
Name (Print)	Brett Zastre/Haley Alarie									
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Shoal Lake Intake	X									

Visual Inspection

Date	25-Aug-25									
Name (Print)	Brett Zastre/Haley Alarie									
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Deacon Cell 1	X									
Deacon Cell 2	X									
Deacon Cell 3	X									
Deacon Cell 4	X									

Submitted by (Print): Courtney Diduck, Analytical Service Branch Head

Signature: 



Algae Monitoring Report

Year: 2025
Month: September

Instructions:

Complete this form weekly from June to September
If a bloom is present, take photos and report the bloom to your regional Drinking Water Officer
Submit completed forms to your regional Drinking Water Officer in the first week of October

Visual Inspection

Date	September 1		September 8		September 15		September 22		September 29	
Name (Print)	Derek Eydson		Derek Eydson		Derek Eydson		Derek Eydson		Derek Eydson	
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Shoal Lake Intake	X		X		X		X		X	

Visual Inspection

Date	September 4		September 10		September 17		September 24			
Name (Print)	Dan Merredew		Dan Merredew		Dan Merredew		Dan Merredew			
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Deacon Cell 1	X		X		X		X			
Deacon Cell 2	X		X		X		X			
Deacon Cell 3	X		X		X		X			
Deacon Cell 4	X		X		X		X			

Submitted by (Print): Dan Merredew

Signature:



Algae Monitoring Report

Year: 2025

Month: September

Instructions:

Complete this form monthly from June to September

If a bloom is present, take photos and report the bloom to your regional Drinking Water Officer

Submit completed forms to your regional Drinking Water Officer in the first week of October


Visual Inspection

Date	17-Sep-25									
Name (Print)	Brett Zastre/Haley Alarie									
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Shoal Lake Intake	X									

Visual Inspection

Date	23-Sep-25									
Name (Print)	Brett Zastre/Haley Alarie									
	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)	Absent (X)	Present (X)
Deacon Cell 1	X									
Deacon Cell 2	X									
Deacon Cell 3	X									
Deacon Cell 4	X									

Submitted by (Print): Courtney Diduck, Analytical Service Branch Head

Signature: 

APPENDIX C
2025 ZEBRA MUSSEL (DREISSENA
POLYMORPHA) MONITORING REPORT



2025 Zebra Mussel (*Dreissena Polymorpha*) Monitoring Report

Objective:

To detect/monitor the presence of Zebra Mussels (adult and veliger) in the City of Winnipeg's source water, Shoal Lake

Methods:

Supporting Work Instructions - SWI 111-06: Zebra Mussel Sampling Program

Wildco Plankton net using vertical or horizontal sweeps compiled into a composite sample, for the capture of veliger stage zebra mussels

Soap-free green kitchen scrubbers tied to plexiglass acrylic sheets, suspended several feet below an inflatable buoy, anchored to the lake bottom with a concrete block, for the capture of adult stage zebra mussels

Supporting Work Instructions - SWI 017-34: Decontamination for Aquatic Invasive Species

Permits/Licences:

Manitoba Agriculture and Resource Development Aquatic Invasive Species Permit: 22-2025

Ontario Ministry of Natural Resources Licence to Collect Fish for Scientific Purposes: KENO-2025-FWCA-00054

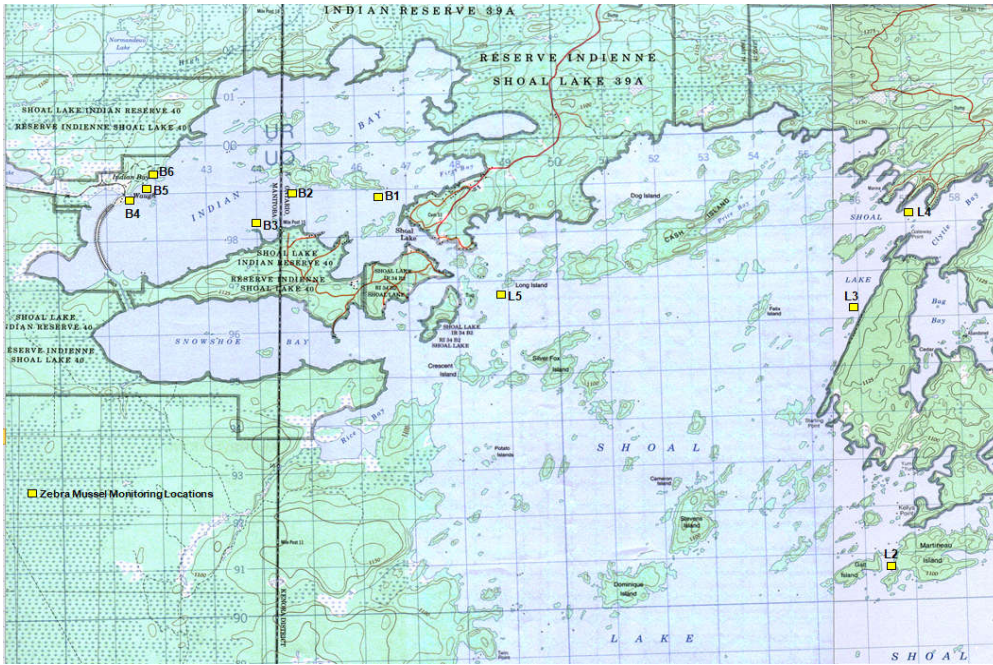
Sampling Locations:

Code	Location	Coordinates	
Deacon Cell 1	Deacon Cell 1 at WTP	N 49°51'02.9"	W 96°56'32.2"
Deacon Cell 2	Deacon Cell 2 at WTP	N 49°51'02.9"	W 96°56'32.2"
Deacon Cell 3	Deacon Cell 3 at WTP	N 49°51'02.9"	W 96°56'32.2"
Deacon Cell 4	Deacon Cell 4 at WTP	N 49°51'02.9"	W 96°56'32.2"
B1	Indian Bay	N 49° 37' 21.3"	W 95° 07' 36.6"
B2	Indian Bay at MB-ON Boundary	N 49° 37' 23.9"	W 95° 08' 56.8"
B3	Indian Bay	N 49° 37' 06.4"	W 95° 09' 23.5"
B4	Indian Bay	N 49° 37' 13.4"	W 95° 11' 42.9"
B5	Indian Bay between Island & Intake	N 49° 37' 13.5"	W 95° 11' 30.6"
B6	Indian Bay	N 49° 37' 27.6"	W 95° 11' 20.3"
L1	Shoal lake	N 49° 36' 33.1"	W 94° 47' 40.7"
L2	Shoal lake	N 49° 32' 56.5"	W 94° 59' 14.9"
L3	Shoal lake	N 49° 35' 59.3"	W 94° 59' 38.7"
L4	Clytie Bay	N 49° 37' 04.4"	W 94° 58' 49.6"
L5	Shoal lake	N 49° 36' 18.4"	W 95° 05' 23.7"

Deacon Cells Map



Shoal Lake Map (B1-B6, L2-L5)



Shoal Lake Map (L1 and L2)



Zebra Mussel (*Dreissena Polymorpha*)

Monitoring Report

May 2025

Sample Location	Sample Date	Sample Number	Temperature (° C)	Transparency (m)	Veliger (Net)	Adult (Trap)
Deacon Cell 1 - Middle	23-May-25	748563	13.4	4.8	Absent	na
Deacon Cell 1-100m from NE corner	23-May-25	748564	13.4	5.0	Absent	
Deacon Cell 2 - Middle	23-May-25	748567	13.5	4.0	Absent	na
Deacon Cell 2-100m from NE corner	23-May-25	748568	13.5	3.7	Absent	
Deacon Cell 3 - Middle	23-May-25	748571	13.9	3.7	Absent	na
Deacon Cell 3-100m from NE corner	23-May-25	748572	13.9	4.6	Absent	
Deacon Cell 4 - Middle	23-May-25	748575	13.6	3.6	Absent	na
Deacon Cell 4-100m from NE corner	23-May-25	748576	13.6	3.6	Absent	
Indian Bay - B1	27-May-25	751043	16.9	3.5	Absent	na
Indian Bay - B2	27-May-25	751044	17.2	3.0	Absent	na
Indian Bay - B3	27-May-25	751045	16.6	2.9	Absent	na
Indian Bay - B4	27-May-25	751046	17.4	3.5	Absent	na
Indian Bay - B5	27-May-25	751047	17.5	3.3	Absent	na
Indian Bay - B6	27-May-25	751048	17.3	3.6	Absent	na
Shoal Lake - L1	27-May-25	751050	15.8	3.5	Absent	na
Shoal Lake - L2	27-May-25	751051	15.6	3.5	Absent	na
Shoal Lake - L3	27-May-25	751052	15.2	3.0	Absent	na
Shoal Lake - L4	27-May-25	751053	15.8	4.0	Absent	na
Shoal Lake - L5	27-May-25	751054	16.0	3.5	Absent	na

All samples are discarded and equipment decontaminated according to SWI 017-34: Decontamination for Aquatic Invasive Species

Notes :

na: no aliquot, traps were set for the season on May 23 and 27, 2025

Weather Conditions

Survey Location	Sample Date	Wind Direction	Wind Speed (km/h)	Cloud Coverage (%)	24 Hour Precipitation (mm)	Air Temperature (° C)
Deacon Reservoirs	23-May-2025	East-North East (ENE)	11	15	<0.1	15.8
Shoal Lake	27-May-2025	West-South West (WSW)	8	80	<0.1	22.1

Report Date: December 23, 2025

Zebra Mussel (*Dreissena Polymorpha*)

Monitoring Report

June 2025

Sample Location	Sample Date	Sample Number	Temperature (° C)	Transparency (m)	Veliger (Net)	Adult (Trap)
Deacon Cell 1 - Middle	17-Jun-25	757056	20.2	nr	Absent	Absent
Deacon Cell 1-100m from NE corner	17-Jun-25	757057	20.0	nr	Absent	
Deacon Cell 2 - Middle	17-Jun-25	757060	19.7	nr	Absent	Absent
Deacon Cell 2-100m from NE corner	17-Jun-25	757061	19.7	nr	Absent	
Deacon Cell 3 - Middle	17-Jun-25	757064	20.5	4.0	Absent	Absent
Deacon Cell 3-100m from NE corner	17-Jun-25	757065	20.6	3.3	Absent	
Deacon Cell 4 - Middle	17-Jun-25	757068	19.8	nr	Absent	Absent
Deacon Cell 4-100m from NE corner	17-Jun-25	757069	19.8	nr	Absent	
Indian Bay - B1	24-Jun-25	757079	20.5	3.6	Absent	Absent
Indian Bay - B2	24-Jun-25	757080	21.0	3.8	Absent	Absent
Indian Bay - B3	24-Jun-25	757081	21.2	3.4	Absent	Absent
Indian Bay - B4	24-Jun-25	757082	21.8	3.7	Absent	Absent
Indian Bay - B5	24-Jun-25	757083	21.5	3.2	Absent	Absent
Indian Bay - B6	24-Jun-25	757084	21.4	3.6	Absent	Absent
Shoal Lake - L1	24-Jun-25	757086	20.0	3.0	Absent	Absent
Shoal Lake - L2	24-Jun-25	757087	18.1	4.0	Absent	Absent
Shoal Lake - L3	24-Jun-25	757088	19.2	4.5	Absent	Absent
Shoal Lake - L4	24-Jun-25	757089	18.5	5.1	Absent	Absent
Shoal Lake - L5	24-Jun-25	757090	18.5	4.9	Absent	Absent

All samples are discarded and equipment decontaminated according to SWI 017-34: Decontamination for Aquatic Invasive Species

Notes :

nr - no result, lab error

Weather Conditions

Survey Location	Sample Date	Wind Direction	Wind Speed (km/h)	Cloud Coverage (%)	24 Hour Precipitation (mm)	Air Temperature (° C)
Deacon Reservoirs	17-Jun-2025	North-North East (NNE)	7	75	<0.1	20.5
Shoal Lake	24-Jun-2025	North-North East (NNE)	12	0	<0.1	16.3

Report Date: January 23, 2026, Revision 1

Zebra Mussel (*Dreissena Polymorpha*)

Monitoring Report

July 2025

Sample Location	Sample Date	Sample Number	Temperature (° C)	Transparency (m)	Veliger (Net)	Adult (Trap)
Deacon Cell 1 - Middle	25-Jul-25	765562	22.0	2.1	Absent	Absent
Deacon Cell 1-100m from NE corner	25-Jul-25	765563	22.4	1.7	Absent	
Deacon Cell 2 - Middle	25-Jul-25	765566	21.9	2.9	Absent	Absent
Deacon Cell 2-100m from NE corner	25-Jul-25	765567	22.0	2.3	Absent	
Deacon Cell 3 - Middle	28-Jul-25	765570	22.8	1.8	Absent	Absent
Deacon Cell 3-100m from NE corner	28-Jul-25	765571	22.8	1.7	Absent	
Deacon Cell 4 - Middle	25-Jul-25	765574	21.9	2.2	Absent	Absent
Deacon Cell 4-100m from NE corner	25-Jul-25	765575	22.0	1.9	Absent	
Indian Bay - B1	23-Jul-25	765585	21.4	3.2	Absent	Absent
Indian Bay - B2	23-Jul-25	765586	21.4	2.5	Absent	Absent
Indian Bay - B3	23-Jul-25	765587	21.4	2.7	Absent	Absent
Indian Bay - B4	23-Jul-25	765588	21.4	2.7	Absent	Absent
Indian Bay - B5	23-Jul-25	765589	21.4	3.3	Absent	Absent
Indian Bay - B6	23-Jul-25	765590	21.3	3.6	Absent	Absent
Shoal Lake - L1	23-Jul-25	765592	21.3	2.5	Absent	Absent
Shoal Lake - L2	23-Jul-25	765593	20.7	3.5	Absent	Absent
Shoal Lake - L3	23-Jul-25	765594	20.8	3.7	Absent	Absent
Shoal Lake - L4	23-Jul-25	765595	21.1	3.6	Absent	Absent
Shoal Lake - L5	23-Jul-25	765596	20.9	2.7	Absent	Absent

All samples are discarded and equipment decontaminated according to SWI 017-34: Decontamination for Aquatic Invasive Species

Notes :

Weather Conditions

Survey Location	Sample Date	Wind Direction	Wind Speed (km/h)	Cloud Coverage (%)	24 Hour Precipitation (mm)	Air Temperature (° C)
Shoal Lake	23-Jul-2025	North East (NE)	8	100	<0.1	20.7
Deacon Reservoirs	25-Jul-2025	None	0	40	0.5	26.6
Deacon Reservoirs	28-Jul-2025	North West (NW)	5	20	37.6	21.0

Report Date: December 23, 2025

Zebra Mussel (*Dreissena Polymorpha*)

Monitoring Report

August 2025

Sample Location	Sample Date	Sample Number	Temperature (° C)	Transparency (m)	Veliger (Net)	Adult (Trap)
Deacon Cell 1 - Middle	25-Aug-25	773846	19.1	1.8	Absent	Absent
Deacon Cell 1-100m from NE corner	25-Aug-25	773847	19.1	1.7	Absent	
Deacon Cell 2 - Middle	25-Aug-25	773850	19.1	1.8	Absent	Absent
Deacon Cell 2-100m from NE corner	25-Aug-25	773851	19.5	1.9	Absent	
Deacon Cell 3 - Middle	25-Aug-25	773854	19.4	1.3	Absent	Absent
Deacon Cell 3-100m from NE corner	25-Aug-25	773855	19.6	1.9	Absent	
Deacon Cell 4 - Middle	25-Aug-25	773858	19.6	1.5	Absent	Absent
Deacon Cell 4-100m from NE corner	25-Aug-25	773859	19.5	1.3	Absent	
Indian Bay - B1	20-Aug-25	773872	21.9	1.7	Absent	Absent
Indian Bay - B2	20-Aug-25	773873	21.9	2.3	Absent	Absent
Indian Bay - B3	20-Aug-25	773874	21.6	1.8	Absent	Absent
Indian Bay - B4	20-Aug-25	773875	21.9	1.7	Absent	Absent
Indian Bay - B5	20-Aug-25	773876	21.7	1.9	Absent	Absent
Indian Bay - B6	20-Aug-25	773877	21.5	1.8	Absent	Absent
Shoal Lake - L1	20-Aug-25	773879	21.3	2.3	Absent	Absent
Shoal Lake - L2	20-Aug-25	773880	22.4	2.6	Absent	Absent
Shoal Lake - L3	20-Aug-25	773881	21.4	2.6	Absent	Absent
Shoal Lake - L4	20-Aug-25	773882	22.1	2.8	Absent	Absent
Shoal Lake - L5	20-Aug-25	773883	22.1	2.3	Absent	Absent

All samples are discarded and equipment decontaminated according to SWI 017-34: Decontamination for Aquatic Invasive Species

Notes :

Weather Conditions

Survey Location	Sample Date	Wind Direction	Wind Speed (km/h)	Cloud Coverage (%)	24 Hour Precipitation (mm)	Air Temperature (° C)
Shoal Lake	20-Aug-2025	North-North East (NNE)	14	30	<0.1	21.5
Deacon Reservoirs	25-Aug-2025	North-North East (NNE)	7	30	<0.1	22.0

Report Date: December 23, 2025

Zebra Mussel (*Dreissena Polymorpha*)

Monitoring Report

September 2025

Sample Location	Sample Date	Sample Number	Temperature (° C)	Transparency (m)	Veliger (Net)	Adult (Trap)
Deacon Cell 1 - Middle	23-Sep-25	781528	17.9	3.6	Absent	Absent
Deacon Cell 1-100m from NE corner	23-Sep-25	781529	17.9	3.2	Absent	
Deacon Cell 2 - Middle	23-Sep-25	781532	17.9	2.5	Absent	Absent
Deacon Cell 2-100m from NE corner	23-Sep-25	781533	17.9	2.3	Absent	
Deacon Cell 3 - Middle	23-Sep-25	781536	17.8	2.8	Absent	Absent
Deacon Cell 3-100m from NE corner	23-Sep-25	781537	17.8	2.7	Absent	
Deacon Cell 4 - Middle	23-Sep-25	781540	17.8	2.1	Absent	Absent
Deacon Cell 4-100m from NE corner	23-Sep-25	781541	17.9	2.1	Absent	
Indian Bay - B1	17-Sep-25	781551	19.3	3.0	Absent	Absent
Indian Bay - B2	17-Sep-25	781552	18.9	2.5	Absent	Absent
Indian Bay - B3	17-Sep-25	781553	19.3	2.2	Absent	Absent
Indian Bay - B4	17-Sep-25	781554	19.1	2.1	Absent	Absent
Indian Bay - B5	17-Sep-25	781555	19.2	2.1	Absent	Absent
Indian Bay - B6	17-Sep-25	781556	19.0	2.3	Absent	Absent
Shoal Lake - L1	17-Sep-25	781558	19.5	2.6	Absent	Absent
Shoal Lake - L2	17-Sep-25	781559	19.0	3.1	Absent	Absent
Shoal Lake - L3	17-Sep-25	781560	19.1	3.1	Absent	Absent
Shoal Lake - L4	17-Sep-25	781561	19.5	3.8	Absent	Absent
Shoal Lake - L5	17-Sep-25	781562	18.9	3.1	Absent	Absent

All samples are discarded and equipment decontaminated according to SWI 017-34: Decontamination for Aquatic Invasive Species

Notes :

Weather Conditions

Survey Location	Sample Date	Wind Direction	Wind Speed (km/h)	Cloud Coverage (%)	24 Hour Precipitation (mm)	Air Temperature (° C)
Shoal Lake	17-Sep-2025	North-North East (NNE)	12	40	<0.1	17.3
Deacon Reservoirs	23-Sep-2025	North-North East (NNE)	7	100	<0.1	15.9

Report Date: December 23, 2025

Zebra Mussel (*Dreissena Polymorpha*)

Monitoring Report

October 2025

Sample Location	Sample Date	Sample Number	Temperature (° C)	Transparency (m)	Veliger (Net)	Adult (Trap)
Deacon Cell 1 - Middle	24-Oct-25	788888	8.9	4.6	Absent	Absent
Deacon Cell 1-100m from NE corner	24-Oct-25	788889	8.8	4.1	Absent	
Deacon Cell 2 - Middle	24-Oct-25	788892	8.6	3.4	Absent	Absent
Deacon Cell 2-100m from NE corner	24-Oct-25	788893	8.7	3.1	Absent	
Deacon Cell 3 - Middle	29-Oct-25	788896	9.2	3.2	Absent	Absent
Deacon Cell 3-100m from NE corner	29-Oct-25	788897	9.1	3.1	Absent	
Deacon Cell 4 - Middle	24-Oct-25	788900	8.7	2.8	Absent	Absent
Deacon Cell 4-100m from NE corner	24-Oct-25	788901	8.7	2.8	Absent	
Indian Bay - B1	23-Oct-25	788911	8.7	2.2	Absent	Absent
Indian Bay - B2	23-Oct-25	788912	8.9	2.5	Absent	Absent
Indian Bay - B3	23-Oct-25	788913	9.0	2.5	Absent	Absent
Indian Bay - B4	23-Oct-25	788914	8.9	2.4	Absent	Absent
Indian Bay - B5	23-Oct-25	788915	8.9	3.2	Absent	Absent
Indian Bay - B6	23-Oct-25	788916	9.1	2.5	Absent	Absent
Shoal Lake - L1	23-Oct-25	788918	9.6	2.1	Absent	Absent
Shoal Lake - L2	23-Oct-25	788919	11.2	3.6	Absent	Absent
Shoal Lake - L3	23-Oct-25	788920	11.5	3.3	Absent	Absent
Shoal Lake - L4	23-Oct-25	788921	11.6	3.3	Absent	Absent
Shoal Lake - L5	23-Oct-25	788922	11.5	3.3	Absent	Absent

All samples are discarded and equipment decontaminated according to SWI 017-34: Decontamination for Aquatic Invasive Species

Notes :

Weather Conditions

Survey Location	Sample Date	Wind Direction	Wind Speed (km/h)	Cloud Coverage (%)	24 Hour Precipitation (mm)	Air Temperature (° C)
Shoal Lake	23-Oct-2025	North (N)	7	30	<0.1	1.3
Deacon Reservoirs	24-Oct-2025	North (N)	4	85	<0.1	7.7

Report Date: January 23, 2026

APPENDIX D
2025 RESIDENTIAL LEAD MONITORING
PROGRAM RESULTS

City of Winnipeg
Environmental Standards Division
2025 Lead Testing Program Summary

DATE	JOB	WARD	CITY SERVICE LINE MATERIAL	PRIVATE SERVICE LINE MATERIAL	SAMPLED BY	RDT	1 MIN	2 MIN	5 MIN
13-Feb-25	2163	Fort Rouge - East Fort Garry	Polyvinylchloride	Unknown	City Staff	0.000098	<0.000065	<0.000065	<0.000065
13-Feb-25	2164	Fort Rouge - East Fort Garry	Unknown	Unknown	City Staff	<0.000065	<0.000065	<0.000065	<0.000065
13-Feb-25	2165	Fort Rouge - East Fort Garry	Unknown	Unknown	City Staff	<0.000065	<0.000065	<0.000065	<0.000065
13-Feb-25	2166	Fort Rouge - East Fort Garry	Unknown	Unknown	City Staff	<0.000065	<0.000065	<0.000065	<0.000065
8-May-25	2209	River Heights - Fort Garry	Copper	Lead	City Staff	0.000142	0.000254	0.000067	<0.000065
8-May-25	2210	River Heights - Fort Garry	Copper	Copper	City Staff	0.000086	<0.000065	<0.000065	<0.000065
8-May-25	2211	River Heights - Fort Garry	Copper	Copper	City Staff	<0.000065	<0.000065	<0.000065	<0.000065
8-May-25	2212	River Heights - Fort Garry	Copper	Lead	City Staff	0.001022	0.001768	0.000184	0.000177
8-May-25	2213	River Heights - Fort Garry	Lead	Lead	City Staff	0.000524	0.001440	0.000240	0.000193
9-May-25	2215	River Heights - Fort Garry	Lead	Lead	City Staff	0.002960	0.085070	0.000579	0.000550
9-May-25	2216	River Heights - Fort Garry	Copper	Lead	City Staff	0.001202	0.003178	0.001600	0.000384
14-May-25	2217	River Heights - Fort Garry	Lead	Lead	City Staff	0.005882	0.002503	0.002296	0.000913
9-May-25	2218	River Heights - Fort Garry	Copper	Lead	City Staff	0.002241	0.002040	0.000551	0.000574
9-May-25	2219	River Heights - Fort Garry	Copper	Lead	City Staff	0.000560	0.000488	0.000140	0.000113
9-May-25	2220	River Heights - Fort Garry	Copper	Lead	City Staff	0.001883	0.005665	0.000313	0.000258
13-May-25	2222	Mynarski	Copper	Lead	City Staff	0.001340	0.000652	0.000480	0.000468
13-May-25	2223	Mynarski	Copper	Lead	City Staff	0.000107	<0.000065	<0.000065	<0.000065
13-May-25	2224	Mynarski	Lead	Lead	City Staff	0.001224	0.003491	0.000452	0.000432
13-May-25	2225	Mynarski	Copper	Copper	City Staff	<0.000065	<0.000065	<0.000065	<0.000065
14-May-25	2226	River Heights - Fort Garry	Lead	Lead	City Staff	0.000632	0.000444	0.000576	0.000433
14-May-25	2227	River Heights - Fort Garry	Lead	Lead	City Staff	0.000131	0.000072	0.000069	0.000067
14-May-25	2228	River Heights - Fort Garry	Copper	Lead	City Staff	0.000893	0.001272	0.000614	0.000526
14-May-25	2229	River Heights - Fort Garry	Copper	Lead	City Staff	0.000930	0.000154	0.000156	0.000148
14-May-25	2230	River Heights - Fort Garry	Copper	Lead	City Staff	<0.000065	0.000067	<0.000065	<0.000065
14-May-25	2231	River Heights - Fort Garry	Copper	Lead	City Staff	0.001485	0.000326	0.000298	0.000316
14-May-25	2232	River Heights - Fort Garry	Copper	Lead	City Staff	0.001932	0.003081	0.000239	0.000245
15-May-25	2234	Mynarski	Lead	Lead	City Staff	0.001620	0.001414	0.000422	0.000150
15-May-25	2235	Mynarski	Copper	Lead	City Staff	0.000572	0.001061	0.000158	0.000156
15-May-25	2236	Mynarski	Copper	Lead	City Staff	0.008516	0.000663	0.002499	0.000315
15-May-25	2237	Mynarski	Copper	Lead	City Staff	0.005030	0.000884	0.000627	0.000572
15-May-25	2238	Mynarski	Lead	Lead	City Staff	0.000365	0.000210	0.000149	0.000222

City of Winnipeg
Environmental Standards Division
2025 Lead Testing Program Summary

DATE	JOB	WARD	CITY SERVICE LINE MATERIAL	PRIVATE SERVICE LINE MATERIAL	SAMPLED BY	RDT	1 MIN	2 MIN	5 MIN
15-May-25	2239	Mynarski	Lead	Lead	City Staff	0.001550	0.000228	0.000219	0.000209
14-May-25	2241	Mynarski	Copper	Lead	Participant	0.000732	0.000425	0.000301	0.000293
14-May-25	2242	Mynarski	Copper	Lead	Participant	0.013661	0.000302	0.000273	0.000256
14-May-25	2243	Mynarski	Copper	Lead	Participant	0.000334	0.000133	0.000132	0.000143
20-May-25	2246	River Heights - Fort Garry	Copper	Lead	City Staff	0.003831	0.000073	<0.000065	<0.000065
21-May-25	2247	Mynarski	Copper	Lead	City Staff	0.000511	0.000418	0.000241	0.000222
21-May-25	2248	Mynarski	Copper	Lead	City Staff	0.004987	0.008189	0.001591	0.000541
21-May-25	2249	Mynarski	Lead	Lead	City Staff	0.001153	0.000336	0.000172	0.000168
21-May-25	2250	Mynarski	Copper	Lead	City Staff	0.000574	0.001004	0.000263	0.000256
21-May-25	2251	Mynarski	Copper	Lead	City Staff	0.001781	0.001249	0.000734	0.000729
21-May-25	2252	Mynarski	Copper	Lead	City Staff	0.003648	0.001309	0.000914	0.000895
21-May-25	2253	Mynarski	Copper	Lead	City Staff	0.000577	0.000146	<0.000065	<0.000065
21-May-25	2254	Mynarski	Copper	Lead	Participant	0.001705	0.000583	0.000547	0.000394
22-May-25	2255	Mynarski	Copper	Lead	City Staff	0.000669	0.001014	0.000392	0.000382
22-May-25	2256	Mynarski	Lead	Lead	City Staff	0.001403	0.005946	0.000482	0.000434
22-May-25	2257	Mynarski	Copper	Lead	City Staff	0.000815	0.001032	0.000506	0.000494
22-May-25	2258	Mynarski	Copper	Lead	City Staff	0.000685	0.000699	0.000352	0.000304
22-May-25	2260	Mynarski	Copper	Lead	City Staff	0.000446	0.000320	0.000258	0.000249
23-May-25	2263	Mynarski	Copper	Lead	City Staff	<0.000065	<0.000065	<0.000065	<0.000065
23-May-25	2264	Mynarski	Copper	Lead	City Staff	0.005653	0.001088	0.000801	0.000671
23-May-25	2265	Mynarski	Copper	Lead	City Staff	0.000411	0.000104	0.000113	0.000111
23-May-25	2266	Mynarski	Lead	Lead	City Staff	0.132540	0.006398	0.003790	0.001321
23-May-25	2267	Mynarski	Copper	Lead	City Staff	0.000111	0.000076	0.000069	0.000066
23-May-25	2268	Mynarski	Copper	Lead	City Staff	0.006032	0.005213	0.000575	0.000521
23-May-25	2269	Mynarski	Copper	Lead	City Staff	<0.000065	<0.000065	0.000069	<0.000065
23-May-25	2270	Mynarski	Lead	Lead	City Staff	0.002280	0.002166	0.000306	0.000292
23-May-25	2271	Mynarski	Copper	Lead	City Staff	0.000831	0.002013	0.000377	0.000216
26-May-25	2272	Mynarski	Copper	Lead	City Staff	0.000748	0.000804	0.000162	0.000183
26-May-25	2273	Mynarski	Copper	Lead	City Staff	0.002333	0.000469	0.000455	0.000403
26-May-25	2274	Mynarski	Copper	Lead	City Staff	0.000497	0.000138	0.000118	0.000120
26-May-25	2277	Mynarski	Lead	Lead	City Staff	0.000496	0.007490	0.000221	0.000204

City of Winnipeg
Environmental Standards Division
2025 Lead Testing Program Summary

DATE	JOB	WARD	CITY SERVICE LINE MATERIAL	PRIVATE SERVICE LINE MATERIAL	SAMPLED BY	RDT	1 MIN	2 MIN	5 MIN
26-May-25	2278	Mynarski	Lead	Lead	City Staff	0.008779	0.001778	0.001534	0.001509
27-May-25	2279	Daniel McIntyre	Copper	Lead	City Staff	0.000290	0.000273	0.000136	0.000134
29-May-25	2280	Daniel McIntyre	Lead	Lead	City Staff	0.001969	0.001484	0.000470	0.000522
29-May-25	2281	Daniel McIntyre	Lead	Lead	City Staff	0.000929	0.000816	0.000723	0.000671
29-May-25	2282	Daniel McIntyre	Copper	Lead	City Staff	0.000195	0.000155	0.000111	0.000108
29-May-25	2283	Daniel McIntyre	Copper	Lead	City Staff	0.001298	0.000289	0.000303	0.000285
29-May-25	2285	Daniel McIntyre	Lead	Lead	City Staff	0.000099	0.000336	0.000094	0.000086
29-May-25	2286	Daniel McIntyre	Lead	Lead	City Staff	0.001123	0.000799	0.000269	0.000204
29-May-25	2288	Daniel McIntyre	Copper	Lead	City Staff	0.000735	0.001123	0.000282	0.000273
29-May-25	2289	Daniel McIntyre	Copper	Lead	City Staff	0.000427	0.000306	0.000271	0.000290
2-Jun-25	2290	Daniel McIntyre	Copper	Lead	City Staff	0.000623	0.001736	0.000159	0.000140
2-Jun-25	2291	Daniel McIntyre	Copper	Lead	City Staff	0.000814	0.003226	0.000690	0.000709
2-Jun-25	2292	Daniel McIntyre	Copper	Lead	City Staff	0.000528	0.000630	0.000174	0.000175
2-Jun-25	2293	Daniel McIntyre	Copper	Lead	City Staff	0.000818	0.001398	0.000241	0.000255
2-Jun-25	2294	Daniel McIntyre	Copper	Lead	City Staff	0.000125	0.000125	0.000065	<0.000065
2-Jun-25	2295	Daniel McIntyre	Copper	Lead	City Staff	0.001233	0.007414	0.000390	0.000406
2-Jun-25	2296	Daniel McIntyre	Lead	Lead	City Staff	0.001096	0.000422	0.000357	0.000361
2-Jun-25	2297	Daniel McIntyre	Copper	Lead	City Staff	0.000760	0.000599	0.000272	0.000239
3-Jun-25	2298	Daniel McIntyre	Copper	Lead	City Staff	0.000578	0.000546	0.000205	0.000209
3-Jun-25	2299	Daniel McIntyre	Copper	Lead	City Staff	0.000877	0.000521	0.000414	0.000423
3-Jun-25	2300	Daniel McIntyre	Copper	Lead	City Staff	0.000646	0.000847	0.000318	0.000344
3-Jun-25	2301	Daniel McIntyre	Copper	Lead	City Staff	0.001486	0.003348	0.000437	0.000442
3-Jun-25	2302	Daniel McIntyre	Copper	Lead	City Staff	0.001146	0.005338	0.000315	0.000252
3-Jun-25	2303	Daniel McIntyre	Copper	Lead	City Staff	0.001022	0.002367	0.000415	0.000420
4-Jun-25	2304	Daniel McIntyre	Copper	Lead	City Staff	0.001548	0.000254	0.000166	0.000136
4-Jun-25	2305	Daniel McIntyre	Copper	Lead	City Staff	0.000536	0.000961	0.000178	0.000137
4-Jun-25	2306	Mynarski	Lead	Lead	City Staff	0.000205	0.001496	0.000112	0.000104
9-Jun-25	2312	Point Douglas	Copper	Lead	City Staff	0.000462	0.000622	0.000128	0.000119
9-Jun-25	2313	Point Douglas	Copper	Lead	City Staff	0.001497	0.001288	0.000609	0.000555
10-Jun-25	2314	Point Douglas	Copper	Lead	City Staff	0.002679	0.001190	0.000576	0.000463
10-Jun-25	2315	Point Douglas	Copper	Lead	City Staff	0.002180	0.000397	0.000378	0.000429

City of Winnipeg
Environmental Standards Division
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DATE	JOB	WARD	CITY SERVICE LINE MATERIAL	PRIVATE SERVICE LINE MATERIAL	SAMPLED BY	RDT	1 MIN	2 MIN	5 MIN
10-Jun-25	2316	Point Douglas	Copper	Lead	City Staff	0.014257	0.019071	0.004742	0.003217
10-Jun-25	2317	Point Douglas	Lead	Lead	City Staff	0.004092	0.001285	0.000278	0.000274
10-Jun-25	2318	Point Douglas	Copper	Lead	City Staff	0.000727	0.000408	0.000387	0.000444
10-Jun-25	2319	Point Douglas	Copper	Lead	Participant	0.000485	0.000479	0.000474	0.000470
10-Jun-25	2320	Point Douglas	Copper	Lead	City Staff	0.000447	0.000125	0.000120	0.000121
10-Jun-25	2321	Point Douglas	Copper	Lead	City Staff	0.000440	0.000370	0.000107	0.000105
11-Jun-25	2322	Point Douglas	Copper	Lead	City Staff	0.000195	0.000113	0.000078	<0.000065
12-Jun-25	2323	Point Douglas	Copper	Lead	City Staff	0.000643	0.000214	0.000370	0.000193
12-Jun-25	2324	Point Douglas	Lead	Lead	City Staff	0.000076	<0.000065	0.000115	<0.000065
12-Jun-25	2325	Point Douglas	Copper	Lead	City Staff	0.001098	0.001875	0.000156	0.000127
12-Jun-25	2326	Point Douglas	Copper	Lead	City Staff	0.000360	0.001278	0.000310	0.000305
12-Jun-25	2327	Point Douglas	Copper	Lead	City Staff	0.000795	0.002051	0.000248	0.000210
12-Jun-25	2328	Point Douglas	Lead	Lead	City Staff	0.001654	0.003783	0.003472	0.000650
12-Jun-25	2329	Point Douglas	Copper	Lead	City Staff	0.000922	0.000502	0.000506	0.000476
16-Jun-25	2331	Point Douglas	Unknown	Lead	City Staff	0.001002	0.000346	0.000315	0.000354
16-Jun-25	2332	Point Douglas	Copper	Lead	City Staff	0.005707	0.000912	0.000835	0.000785
16-Jun-25	2333	Point Douglas	Copper	Lead	City Staff	0.004097	0.010937	0.000661	0.000626
16-Jun-25	2334	Point Douglas	Copper	Lead	City Staff	0.000758	0.000203	0.000204	0.000215
16-Jun-25	2335	Point Douglas	Copper	Lead	City Staff	0.000300	0.000086	0.000082	0.000070
17-Jun-25	2336	Point Douglas	Copper	Lead	City Staff	0.000479	0.000171	0.000153	0.000128
18-Jun-25	2338	Point Douglas	Copper	Lead	City Staff	0.000590	0.000317	0.000226	0.000211
18-Jun-25	2339	Point Douglas	Copper	Lead	City Staff	0.005788	0.007028	0.000914	0.000886
19-Jun-25	2340	Point Douglas	Copper	Lead	City Staff	0.001089	0.000295	0.000232	0.000304
19-Jun-25	2341	Daniel McIntyre	Copper	Lead	City Staff	0.000544	0.001012	0.000375	0.000383
19-Jun-25	2342	Mynarski	Copper	Lead	City Staff	0.005542	0.000307	0.001227	0.000220
24-Jun-25	2351	Elmwood - East Kildonan	Lead	Lead	City Staff	0.000467	0.000562	0.000182	0.000183
24-Jun-25	2352	Elmwood - East Kildonan	Polyvinylchloride	Lead	City Staff	0.001945	0.001885	0.000261	0.000252
24-Jun-25	2353	Elmwood - East Kildonan	Copper	Lead	City Staff	0.000841	0.001240	0.000202	0.000193
24-Jun-25	2354	Elmwood - East Kildonan	Copper	Lead	City Staff	0.002533	0.005169	0.000658	0.000508
24-Jun-25	2356	Elmwood - East Kildonan	Lead	Lead	City Staff	0.000958	0.002089	0.002041	0.000164
24-Jun-25	2357	Elmwood - East Kildonan	Copper	Lead	City Staff	0.000648	0.001290	0.000217	0.000210

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25-Jun-25	2358	Elmwood - East Kildonan	Copper	Lead	City Staff	0.002601	0.000907	0.000894	0.000787
25-Jun-25	2359	Elmwood - East Kildonan	Lead	Lead	City Staff	0.001061	0.001375	0.001599	0.000368
25-Jun-25	2360	Elmwood - East Kildonan	Copper	Lead	City Staff	0.000753	0.000757	0.000600	0.000384
25-Jun-25	2361	Elmwood - East Kildonan	Copper	Lead	City Staff	0.002587	0.002386	0.000590	0.000526
24-Jun-25	2362	Elmwood - East Kildonan	Copper	Lead	Participant	0.004918	0.002592	0.001950	0.001864
25-Jun-25	2363	Elmwood - East Kildonan	Copper	Lead	City Staff	0.005298	0.000464	0.000380	0.000368
25-Jun-25	2364	Elmwood - East Kildonan	Copper	Lead	City Staff	0.000709	<0.000065	<0.000065	<0.000065
25-Jun-25	2365	Elmwood - East Kildonan	Lead	Lead	Participant	0.001547	0.000439	0.000644	0.000446
24-Jun-25	2366	Elmwood - East Kildonan	Lead	Lead	Participant	0.000960	0.000950	0.000984	0.000871
25-Jun-25	2367	Elmwood - East Kildonan	Lead	Lead	City Staff	0.004972	0.005632	0.001751	0.001694
26-Jun-25	2369	Elmwood - East Kildonan	Lead	Lead	City Staff	0.001477	0.001175	0.000385	0.000357
26-Jun-25	2370	Elmwood - East Kildonan	Lead	Lead	City Staff	0.000554	0.000351	0.000148	0.000194
26-Jun-25	2371	Elmwood - East Kildonan	Copper	Lead	City Staff	0.001323	0.002645	0.000640	0.000650
14-Jul-25	2382	North Kildonan	Copper	Lead	City Staff	0.000716	0.000401	0.000380	0.000373
14-Jul-25	2383	North Kildonan	Lead	Lead	City Staff	0.002653	0.001198	0.000373	0.000360
14-Jul-25	2384	Elmwood - East Kildonan	Lead	Lead	City Staff	0.001394	0.003072	0.001396	0.000818
14-Jul-25	2385	Elmwood - East Kildonan	Copper	Lead	City Staff	0.001378	0.005443	0.000289	0.000270
14-Jul-25	2386	Elmwood - East Kildonan	Copper	Lead	City Staff	<0.000065	<0.000065	<0.000065	<0.000065
15-Jul-25	2387	North Kildonan	Lead	Lead	City Staff	0.000545	0.000389	0.000176	0.000180
14-Jul-25	2388	Elmwood - East Kildonan	Lead	Lead	Participant	0.001713	0.001840	0.000638	0.000649
17-Jul-25	2390	St. James	Copper	Lead	City Staff	0.001915	0.002497	0.000680	0.000670
17-Jul-25	2391	St. James	Unknown	Lead	City Staff	0.003054	0.006308	0.001250	0.001258
17-Jul-25	2393	St. James	Copper	Lead	City Staff	0.001238	0.000859	0.000383	0.000375
17-Jul-25	2394	St. James	Lead	Lead	City Staff	0.003196	0.001537	0.003050	0.001473
17-Jul-25	2395	St. James	Copper	Lead	City Staff	0.001412	0.001334	0.000455	0.000486
21-Jul-25	2397	Elmwood - East Kildonan	Lead	Lead	City Staff	0.002833	0.011934	0.007062	0.001599
21-Jul-25	2398	St. Boniface	Copper	Lead	City Staff	0.001446	0.003248	0.000787	0.000825
21-Jul-25	2399	St. Boniface	Copper	Lead	City Staff	0.002058	0.004709	0.002964	0.000776
21-Jul-25	2400	St. Boniface	Copper	Lead	City Staff	0.001585	0.000316	0.000245	0.000234
21-Jul-25	2401	St. Boniface	Copper	Lead	City Staff	0.000455	0.001794	0.000301	0.000278
22-Jul-25	2402	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.000066	<0.000065	<0.000065	<0.000065

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22-Jul-25	2403	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.000515	0.000606	0.000300	0.000307
22-Jul-25	2404	Mynarski	Copper	Lead	City Staff	0.001059	0.000354	0.000594	0.000367
23-Jul-25	2405	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.002444	0.000493	0.000251	0.000247
23-Jul-25	2406	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.003887	0.002409	0.000752	0.000695
23-Jul-25	2407	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.002967	0.000598	0.000496	0.000470
24-Jul-25	2408	Charleswood - Tuxedo - Westwood	Copper	Lead	City Staff	0.000702	0.000341	0.000304	0.000294
24-Jul-25	2409	Daniel McIntyre	Copper	Lead	City Staff	0.001820	0.002902	0.001763	0.001595
24-Jul-25	2410	Daniel McIntyre	Lead	Lead	City Staff	0.002337	0.008044	0.000704	0.000680
24-Jul-25	2411	Daniel McIntyre	Copper	Lead	City Staff	0.001485	0.002433	0.000544	0.000586
28-Jul-25	2413	Daniel McIntyre	Copper	Lead	City Staff	0.001034	0.000116	0.000124	0.000120
28-Jul-25	2414	Daniel McIntyre	Copper	Lead	City Staff	0.004508	0.001379	0.001068	0.001069
28-Jul-25	2415	Daniel McIntyre	Copper	Lead	City Staff	0.000110	<0.000065	<0.000065	<0.000065
29-Jul-25	2418	St. Boniface	Copper	Lead	City Staff	0.000814	0.000871	0.000568	0.000425
29-Jul-25	2419	St. Vital	Copper	Lead	City Staff	<0.000065	<0.000065	0.000066	<0.000065
29-Jul-25	2420	St. Vital	Unknown	Lead	City Staff	0.000622	0.000384	0.000394	0.000396
29-Jul-25	2421	St. Vital	Copper	Lead	City Staff	0.001079	0.000466	0.000389	0.000185
29-Jul-25	2422	St. Boniface	Unknown	Lead	City Staff	0.002428	0.001716	0.001651	0.000557
29-Jul-25	2423	Daniel McIntyre	Lead	Lead	City Staff	0.000087	0.000180	0.000081	<0.000065
28-Jul-25	2424	Daniel McIntyre	Copper	Lead	Participant	0.004357	0.002973	0.001576	0.001585
30-Jul-25	2425	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.000116	<0.000065	<0.000065	<0.000065
30-Jul-25	2426	St. Vital	Copper	Lead	City Staff	0.001294	0.000339	0.000249	0.000237
29-Jul-25	2427	St. Vital	Copper	Lead	Participant	0.000769	0.000727	0.000507	0.000507
30-Jul-25	2428	St. Vital	Unknown	Lead	City Staff	0.001368	0.003083	0.001432	0.001302
31-Jul-25	2432	Transcona	Unknown	Lead	City Staff	0.000300	0.000314	0.000118	<0.000065
31-Jul-25	2433	Transcona	Copper	Lead	City Staff	0.000458	0.000175	0.000113	0.000081
31-Jul-25	2434	Transcona	Copper	Lead	City Staff	0.000814	0.003158	0.000720	0.000700
31-Jul-25	2435	Transcona	Copper	Lead	City Staff	0.001069	0.000613	0.000383	0.000381
31-Jul-25	2436	Transcona	Copper	Lead	City Staff	0.000175	0.000138	0.000084	<0.000065
30-Jul-25	2437	Fort Rouge - East Fort Garry	Copper	Lead	Participant	0.000318	0.001375	0.000953	0.000315
5-Aug-25	2438	Transcona	Unknown	Lead	City Staff	0.000297	0.000234	0.000071	<0.000065
6-Aug-25	2439	Daniel McIntyre	Lead	Lead	City Staff	0.002470	0.002688	0.002670	0.002228

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6-Aug-25	2440	Daniel McIntyre	Copper	Lead	City Staff	<0.000065	<0.000065	<0.000065	<0.000065
6-Aug-25	2441	Daniel McIntyre	Copper	Lead	City Staff	0.000747	0.000667	0.001231	0.000645
6-Aug-25	2442	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.000240	0.000107	<0.000065	<0.000065
6-Aug-25	2443	Mynarski	Lead	Lead	City Staff	0.012994	0.008195	0.013463	0.002841
7-Aug-25	2445	Mynarski	Copper	Lead	City Staff	0.000470	0.002546	0.000473	0.000475
7-Aug-25	2446	Daniel McIntyre	Lead	Lead	City Staff	0.000692	0.003656	0.000438	0.000429
8-Aug-25	2447	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.001344	0.001350	0.000486	0.000493
11-Aug-25	2448	Daniel McIntyre	Copper	Lead	City Staff	0.001369	0.000520	0.000431	0.000548
11-Aug-25	2449	Daniel McIntyre	Lead	Lead	City Staff	0.001496	0.000601	0.001002	0.000381
11-Aug-25	2452	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.000755	0.001209	0.000443	0.000470
12-Aug-25	2453	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	<0.000065	<0.000065	0.000069	<0.000065
12-Aug-25	2454	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.000072	<0.000065	<0.000065	<0.000065
12-Aug-25	2455	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.003349	0.005523	0.000859	0.000820
12-Aug-25	2456	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.000329	<0.000065	<0.000065	<0.000065
12-Aug-25	2457	Fort Rouge - East Fort Garry	Lead	Lead	City Staff	0.000377	0.004683	0.004029	0.001328
12-Aug-25	2458	Fort Rouge - East Fort Garry	Copper	Lead	Participant	0.000377	0.004036	0.000645	0.000322
13-Aug-25	2459	Daniel McIntyre	Copper	Lead	City Staff	0.000904	0.003131	0.000550	0.000544
13-Aug-25	2460	Daniel McIntyre	Copper	Lead	City Staff	0.001032	0.000541	0.000785	0.000503
13-Aug-25	2461	Fort Rouge - East Fort Garry	Lead	Lead	City Staff	0.003327	0.002019	0.003241	0.001465
14-Aug-25	2463	Daniel McIntyre	Lead	Lead	City Staff	0.002018	0.002110	0.000347	0.000333
14-Aug-25	2464	Daniel McIntyre	Copper	Lead	City Staff	0.009363	0.002602	0.000672	0.000665
14-Aug-25	2465	Daniel McIntyre	Copper	Lead	City Staff	0.001558	0.000152	0.000131	0.000114
14-Aug-25	2466	Fort Rouge - East Fort Garry	Lead	Lead	City Staff	0.001119	0.001765	0.000312	0.000302
15-Aug-25	2467	Daniel McIntyre	Copper	Lead	City Staff	0.000989	0.001490	0.000597	0.000611
15-Aug-25	2468	Daniel McIntyre	Copper	Lead	City Staff	0.002632	0.022384	0.001291	0.001245
19-Aug-25	2470	Daniel McIntyre	Lead	Lead	City Staff	0.003120	0.001009	0.000590	0.000676
19-Aug-25	2471	Daniel McIntyre	Copper	Lead	City Staff	0.000851	0.000791	0.000495	0.000432
19-Aug-25	2472	Daniel McIntyre	Copper	Lead	City Staff	<0.000065	<0.000065	<0.000065	<0.000065
20-Aug-25	2473	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.001315	0.003043	0.000601	0.000638
20-Aug-25	2474	Fort Rouge - East Fort Garry	Copper	Lead	City Staff	0.002197	0.004641	0.003182	0.000943
27-Aug-25	2479	Mynarski	Lead	Lead	City Staff	0.000492	0.001260	0.000775	0.000329

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27-Aug-25	2480	Mynarski	Copper	Lead	City Staff	0.002146	0.013379	0.001854	0.001761
29-Aug-25	2481	Daniel McIntyre	Lead	Lead	City Staff	0.000963	0.001961	0.004296	0.000670
3-Sep-25	2482	Mynarski	Unknown	Unknown	City Staff	<0.000065	<0.000065	<0.000065	<0.000065
12-Sep-25	2494	St. Vital	Unknown	Lead	Participant	0.000795	0.000265	0.000190	0.000122