



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

**July 7, 2026**

**RE: June 2026 WATER QUALITY COMPLIANCE SUBMISSION FOR THE CITY OF WINNIPEG WATER SUPPLY**

Please find attached on-line and grab turbidity summary reports, on-line and grab chlorine summary reports and the UV summary report for the Water Treatment Plant for June 2026.

The on-line and grab sampling turbidity reports include results obtained for the Water Treatment Plant raw water and the eight filters. The turbidity results for the filter effluent met the licence requirements.

The on-line and grab sampling chlorine reports include results obtained for the Deacon Booster Pumping Station at the Water Treatment Plant. The free chlorine results at the Water Treatment Plant met the licence requirements.

The UV summary reports include results obtained for the six UV reactors at the Water Treatment Plant. The UV disinfection results met the licence requirements.

Please let me know of any concerns or questions respecting this submission. I can be reached by telephone at 204-986-8359 or by e-mail at [rgrosselle@winnipeg.ca](mailto:rgrosselle@winnipeg.ca).

Yours sincerely,

R. Grosselle  
Manager of Environmental Standards

**Enclosures**

cc: Dr. L. Richards, Winnipeg Regional Health Authority (email)  
Dr. J. Aquin, Winnipeg Regional Health Authority (email)  
Dr. T. Hilderman, Manitoba Health and Seniors Care (email)  
Dr. P. Benoit, Manitoba Health and Seniors Care (email)  
T. Shanks, M. Eng., P. Eng. (email)  
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C. Diduck (email)



**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**

June 2026 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  |
| 01/06/2026 | 1.45    | 1.19 | 0.07      | 0.11 | 0.07      | 0.12 | 0.11      | 0.17 | 0.03      | 0.08 | OL        | OL   | 0.03      | 0.09 | 0.04      | 0.10 | 0.11      | 0.26 |
| 02/06/2026 | 1.23    | 0.93 | 0.07      | 0.11 | 0.07      | 0.12 | 0.12      | 0.18 | 0.04      | 0.09 | OL        | OL   | 0.04      | 0.09 | 0.05      | 0.10 | 0.05      | 0.11 |
| 03/06/2026 | 1.26    | 0.97 | 0.06      | 0.10 | 0.07      | 0.10 | 0.13      | 0.19 | 0.04      | 0.11 | OL        | OL   | 0.04      | 0.10 | 0.05      | 0.12 | 0.04      | 0.11 |
| 04/06/2026 | 1.92    | 1.52 | 0.03      | 0.09 | 0.06      | 0.18 | 0.11      | 0.30 | 0.05      | 0.21 | OL        | OL   | 0.04      | 0.13 | 0.07      | 0.22 | 0.06      | 0.21 |
| 05/06/2026 | 1.21    | 1.01 | 0.02      | 0.06 | 0.05      | 0.09 | 0.10      | 0.14 | 0.03      | 0.09 | 0.03      | 0.10 | 0.04      | 0.06 | 0.06      | 0.12 | 0.05      | 0.10 |
| 06/06/2026 | 1.18    | 1.03 | 0.02      | 0.04 | 0.05      | 0.09 | 0.10      | 0.14 | 0.03      | 0.07 | 0.02      | 0.05 | 0.05      | 0.10 | 0.06      | 0.11 | 0.05      | 0.10 |
| 07/06/2026 | 1.17    | 1.01 | 0.01      | 0.05 | 0.05      | 0.09 | 0.10      | 0.15 | 0.03      | 0.08 | 0.02      | 0.04 | 0.04      | 0.09 | 0.05      | 0.11 | 0.04      | 0.09 |
| 08/06/2026 | 1.20    | 0.97 | 0.03      | 0.05 | 0.05      | 0.08 | 0.10      | 0.13 | 0.03      | 0.07 | 0.02      | 0.05 | 0.04      | 0.09 | 0.05      | 0.11 | 0.04      | 0.09 |
| 09/06/2026 | 1.19    | 0.98 | 0.05      | 0.10 | 0.05      | 0.08 | 0.10      | 0.15 | 0.03      | 0.09 | 0.02      | 0.05 | 0.04      | 0.09 | 0.05      | 0.08 | 0.04      | 0.09 |
| 10/06/2026 | 1.23    | 0.99 | 0.05      | 0.08 | 0.04      | 0.07 | 0.09      | 0.15 | 0.02      | 0.08 | 0.01      | 0.04 | 0.03      | 0.08 | 0.04      | 0.10 | 0.02      | 0.08 |
| 11/06/2026 | 1.22    | 1.02 | 0.05      | 0.09 | 0.04      | 0.08 | 0.09      | 0.15 | 0.02      | 0.06 | 0.01      | 0.04 | 0.03      | 0.07 | 0.04      | 0.10 | 0.02      | 0.04 |
| 12/06/2026 | 1.30    | 1.17 | 0.05      | 0.08 | 0.04      | 0.07 | 0.09      | 0.15 | 0.01      | 0.05 | 0.02      | 0.03 | 0.03      | 0.08 | 0.05      | 0.10 | 0.03      | 0.08 |
| 13/06/2026 | 1.26    | 1.14 | 0.05      | 0.10 | 0.04      | 0.06 | 0.09      | 0.16 | 0.02      | 0.06 | 0.02      | 0.05 | 0.04      | 0.12 | 0.06      | 0.11 | 0.05      | 0.09 |
| 14/06/2026 | 1.32    | 1.11 | 0.06      | 0.08 | 0.05      | 0.09 | 0.09      | 0.16 | 0.03      | 0.08 | 0.03      | 0.06 | 0.06      | 0.09 | 0.07      | 0.13 | 0.06      | 0.13 |
| 15/06/2026 | 1.53    | 1.29 | 0.07      | 0.11 | 0.05      | 0.09 | 0.10      | 0.12 | 0.03      | 0.08 | 0.03      | 0.06 | 0.07      | 0.12 | 0.07      | 0.15 | 0.07      | 0.14 |
| 16/06/2026 | 1.48    | 1.40 | 0.07      | 0.12 | 0.06      | 0.08 | 0.11      | 0.18 | 0.04      | 0.09 | 0.03      | 0.06 | 0.07      | 0.14 | 0.08      | 0.13 | 0.06      | 0.13 |
| 17/06/2026 | 1.58    | 1.47 | 0.07      | 0.09 | 0.05      | 0.08 | 0.11      | 0.17 | 0.03      | 0.07 | 0.02      | 0.06 | 0.05      | 0.10 | 0.06      | 0.13 | 0.04      | 0.10 |
| 18/06/2026 | 1.61    | 1.23 | 0.06      | 0.10 | 0.04      | 0.08 | 0.11      | 0.17 | 0.02      | 0.05 | 0.03      | 0.05 | 0.05      | 0.11 | 0.06      | 0.12 | 0.05      | 0.09 |
| 19/06/2026 | 1.63    | 1.26 | 0.06      | 0.10 | 0.05      | 0.06 | 0.11      | 0.16 | 0.04      | 0.08 | 0.03      | 0.05 | 0.05      | 0.11 | 0.06      | 0.11 | 0.05      | 0.11 |
| 20/06/2026 | 1.63    | 1.30 | 0.06      | 0.08 | 0.05      | 0.08 | 0.11      | 0.18 | 0.04      | 0.09 | 0.02      | 0.05 | 0.06      | 0.10 | 0.06      | 0.11 | 0.05      | 0.11 |
| 21/06/2026 | 1.63    | 1.34 | 0.07      | 0.10 | 0.05      | 0.09 | 0.12      | 0.15 | 0.05      | 0.10 | 0.02      | 0.05 | 0.06      | 0.11 | 0.05      | 0.08 | 0.05      | 0.11 |
| 22/06/2026 | 1.64    | 1.37 | 0.07      | 0.11 | 0.05      | 0.08 | 0.14      | 0.18 | 0.05      | 0.11 | 0.02      | 0.05 | 0.05      | 0.10 | 0.06      | 0.11 | 0.04      | 0.06 |
| 23/06/2026 | 1.66    | 1.37 | 0.07      | 0.11 | 0.05      | 0.06 | 0.12      | 0.21 | 0.06      | 0.09 | 0.02      | 0.05 | 0.05      | 0.10 | 0.06      | 0.11 | 0.04      | 0.10 |
| 24/06/2026 | 1.72    | 1.40 | 0.07      | 0.13 | 0.06      | 0.09 | 0.09      | 0.15 | 0.09      | 0.13 | 0.02      | 0.05 | 0.04      | 0.09 | 0.05      | 0.10 | 0.04      | 0.09 |
| 25/06/2026 | 1.64    | 1.32 | 0.08      | 0.12 | 0.06      | 0.10 | 0.08      | 0.10 | 0.09      | 0.14 | 0.02      | 0.04 | 0.04      | 0.10 | 0.03      | 0.05 | 0.03      | 0.08 |
| 26/06/2026 | 1.67    | 1.42 | 0.07      | 0.12 | 0.05      | 0.08 | 0.08      | 0.14 | 0.09      | 0.14 | 0.02      | 0.03 | 0.04      | 0.09 | 0.04      | 0.09 | 0.02      | 0.03 |
| 27/06/2026 | 1.68    | 1.41 | 0.07      | 0.12 | 0.05      | 0.07 | 0.08      | 0.14 | 0.09      | 0.12 | 0.02      | 0.05 | 0.04      | 0.09 | 0.04      | 0.09 | 0.03      | 0.08 |
| 28/06/2026 | 1.68    | 1.41 | 0.06      | 0.08 | 0.06      | 0.09 | 0.08      | 0.14 | 0.12      | 0.15 | 0.02      | 0.05 | 0.04      | 0.06 | 0.04      | 0.10 | 0.03      | 0.10 |
| 29/06/2026 | 1.85    | 1.66 | 0.07      | 0.11 | 0.06      | 0.10 | 0.08      | 0.10 | 0.11      | 0.16 | 0.02      | 0.05 | 0.05      | 0.11 | 0.04      | 0.10 | 0.03      | 0.13 |
| 30/06/2026 | 2.47    | 2.18 | 0.07      | 0.11 | 0.06      | 0.10 | 0.10      | 0.14 | 0.09      | 0.16 | 0.02      | 0.04 | 0.06      | 0.13 | 0.06      | 0.10 | 0.03      | 0.09 |

|                                                     |          |          |          |          |          |          |          |          |
|-----------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| Total Number of Measurements Taken, A:              | 7082     | 7652     | 7654     | 7359     | 6534     | 7673     | 7672     | 7579     |
| 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:         | 7082     | 7652     | 7654     | 7359     | 6534     | 7673     | 7672     | 7579     |
| 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\2026\06-June

**Notes:** 1. Measurements are the average of Readings that are calculated, recorded, and reported in five minute intervals while the filter is in operation

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

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



Water Treatment Plant Turbidity Grab Monitoring Report  
June 2026

| Water System<br>Code: 252.00<br>Licence No.<br>PWS-09-412-03 | Turbidity (NTU) |          |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|--------------------------------------------------------------|-----------------|----------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                                                              | Raw Train 1     |          | Raw Train 2 |          | Filter 1 |          | Filter 2 |          | Filter 3 |          | Filter 4 |          | Filter 5 |          | Filter 6 |          | Filter 7 |          | Filter 8 |          |
| Date                                                         | Grab            | Analyser | Grab        | Analyser | Grab     | Analyser | Grab     | Analyser | Grab     | Analyser | Grab     | Analyser | Grab     | Analyser | Grab     | Analyser | Grab     | Analyser | Grab     | Analyser |
| 01-Jun-2026                                                  | 0.85            | 1.22     | 0.94        | 1.30     | 0.10     | 0.06     | 0.11     | 0.07     | 0.11     | 0.11     | 0.12     | 0.04     | o/l      | o/l      | 0.14     | 0.05     | 0.29     | 0.12     | 0.17     | 0.22     |
| 02-Jun-2026                                                  | 0.83            | 1.24     | 0.92        | 0.90     | 0.11     | 0.07     | 0.11     | 0.08     | 0.13     | 0.11     | 0.13     | 0.04     | o/l      | o/l      | 0.15     | 0.06     | 0.11     | 0.02     | 0.16     | 0.09     |
| 03-Jun-2026                                                  | 0.74            | 1.27     | 0.86        | 0.82     | 0.11     | 0.06     | 0.11     | 0.08     | 0.12     | 0.12     | 0.14     | 0.06     | o/l      | o/l      | 0.14     | 0.06     | 0.16     | 0.07     | 0.16     | 0.09     |
| 04-Jun-2026                                                  | 0.81            | 1.06     | 0.83        | 0.94     | 0.11     | 0.04     | 0.08     | 0.06     | 0.09     | 0.10     | 0.11     | 0.02     | o/l      | o/l      | 0.12     | 0.04     | 0.17     | 0.10     | 0.17     | 0.08     |
| 05-Jun-2026                                                  | 1.30            | 1.16     | 1.44        | 0.97     | 0.10     | 0.02     | 0.10     | 0.07     | 0.10     | 0.10     | 0.12     | 0.03     | 0.19     | 0.10     | 0.13     | 0.04     | 0.14     | 0.04     | 0.12     | 0.04     |
| 06-Jun-2026                                                  | ns              | ns       | ns          | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       |
| 07-Jun-2026                                                  | ns              | ns       | ns          | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       |
| 08-Jun-2026                                                  | 0.79            | 1.20     | 1.06        | 0.90     | 0.09     | <0.02    | 0.14     | 0.09     | 0.11     | 0.10     | 0.08     | <0.02    | 0.13     | 0.02     | 0.20     | 0.06     | 0.16     | 0.04     | 0.17     | 0.03     |
| 09-Jun-2026                                                  | 0.81            | 1.12     | 0.74        | 0.95     | 0.09     | 0.07     | 0.09     | 0.08     | 0.10     | 0.10     | 0.08     | 0.02     | 0.11     | 0.03     | 0.18     | 0.08     | 0.13     | 0.04     | 0.12     | 0.03     |
| 10-Jun-2026                                                  | 0.70            | 1.15     | 0.66        | 0.92     | 0.09     | 0.06     | 0.06     | 0.04     | 0.09     | 0.10     | 0.08     | 0.02     | 0.11     | 0.03     | 0.08     | 0.06     | 0.12     | 0.04     | 0.11     | 0.03     |
| 11-Jun-2026                                                  | 0.66            | 1.20     | 0.78        | 0.90     | 0.10     | 0.06     | 0.06     | 0.04     | 0.10     | 0.10     | 0.07     | <0.02    | 0.10     | 0.02     | 0.10     | 0.02     | 0.12     | 0.04     | 0.10     | 0.02     |
| 12-Jun-2026                                                  | 0.76            | 1.20     | 0.86        | 1.10     | 0.06     | 0.04     | 0.06     | 0.04     | 0.10     | 0.10     | 0.07     | <0.02    | 0.10     | 0.03     | 0.11     | 0.03     | 0.15     | 0.06     | 0.12     | 0.04     |
| 13-Jun-2026                                                  | ns              | ns       | ns          | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       |
| 14-Jun-2026                                                  | ns              | ns       | ns          | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       |
| 15-Jun-2026                                                  | 1.19            | 1.35     | 1.13        | 1.30     | 0.10     | 0.08     | 0.13     | 0.09     | 0.10     | 0.11     | 0.08     | 0.02     | 0.12     | 0.05     | 0.19     | 0.08     | 0.15     | 0.06     | 0.14     | 0.05     |
| 16-Jun-2026                                                  | 1.09            | 1.41     | 1.26        | 1.25     | 0.10     | 0.09     | 0.09     | 0.05     | 0.10     | 0.12     | 0.08     | 0.02     | 0.13     | 0.06     | 0.24     | 0.13     | 0.17     | 0.07     | 0.16     | 0.07     |
| 17-Jun-2026                                                  | 1.12            | 1.62     | 0.95        | 1.77     | 0.12     | 0.09     | 0.06     | 0.04     | 0.10     | 0.12     | 0.07     | 0.02     | 0.11     | 0.05     | 0.11     | 0.04     | 0.14     | 0.05     | 0.12     | 0.04     |
| 18-Jun-2026                                                  | 2.25            | 1.55     | 1.73        | 1.31     | 0.07     | 0.06     | 0.09     | 0.05     | 0.14     | 0.13     | 0.08     | 0.02     | 0.13     | 0.05     | 0.14     | 0.05     | 0.19     | 0.09     | 0.14     | 0.05     |
| 19-Jun-2026                                                  | 1.92            | 1.66     | 1.53        | 1.14     | 0.08     | 0.06     | 0.08     | 0.06     | 0.09     | 0.10     | 0.10     | 0.04     | 0.18     | 0.09     | 0.14     | 0.05     | 0.13     | 0.03     | 0.17     | 0.07     |
| 20-Jun-2026                                                  | ns              | ns       | ns          | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       |
| 21-Jun-2026                                                  | ns              | ns       | ns          | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       |
| 22-Jun-2026                                                  | 1.07            | 1.62     | 0.98        | 1.24     | 0.06     | 0.06     | 0.07     | 0.05     | 0.10     | 0.15     | 0.07     | 0.04     | 0.11     | 0.04     | 0.11     | 0.04     | 0.14     | 0.05     | 0.14     | 0.04     |
| 23-Jun-2026                                                  | 1.32            | 1.65     | 1.54        | 1.36     | 0.10     | 0.06     | 0.10     | 0.05     | 0.10     | 0.13     | 0.10     | 0.06     | 0.16     | 0.07     | 0.14     | 0.05     | 0.21     | 0.10     | 0.15     | 0.05     |
| 24-Jun-2026                                                  | 1.33            | 1.70     | 1.42        | 1.37     | 0.10     | 0.08     | 0.11     | 0.07     | 0.10     | 0.08     | 0.13     | 0.10     | 0.12     | 0.04     | 0.14     | 0.05     | 0.13     | 0.03     | 0.21     | 0.09     |
| 25-Jun-2026                                                  | 1.22            | 1.61     | 1.21        | 1.20     | 0.10     | 0.09     | 0.13     | 0.11     | 0.10     | 0.09     | 0.08     | 0.08     | 0.09     | 0.03     | 0.12     | 0.06     | 0.10     | 0.03     | 0.10     | 0.02     |
| 26-Jun-2026                                                  | 1.75            | 1.62     | 2.00        | 1.33     | 0.12     | 0.12     | 0.09     | 0.05     | 0.10     | 0.09     | 0.07     | 0.08     | 0.09     | 0.03     | 0.10     | 0.03     | 0.15     | 0.03     | 0.11     | 0.02     |
| 27-Jun-2026                                                  | ns              | ns       | ns          | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       |
| 28-Jun-2026                                                  | ns              | ns       | ns          | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       | ns       |
| 29-Jun-2026                                                  | 1.19            | 1.78     | 1.23        | 1.52     | 0.10     | 0.07     | 0.12     | 0.10     | 0.10     | 0.09     | 0.10     | 0.08     | 0.09     | 0.03     | 0.13     | 0.06     | 0.11     | 0.02     | 0.10     | 0.02     |
| 30-Jun-2026                                                  | 1.29            | 2.14     | 1.25        | 2.08     | 0.15     | 0.11     | 0.09     | 0.06     | 0.12     | 0.10     | 0.09     | 0.08     | 0.11     | 0.05     | 0.13     | 0.05     | 0.15     | 0.05     | 0.15     | 0.04     |
| Total number of measurements taken, A:                       |                 |          |             |          | 22       |          | 22       |          | 22       |          | 22       |          | 18       |          | 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       |          | 18       |          | 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:

Filter 5 was offline for scheduled maintenance from May 25/26 at 14:03 to June 5/26 at 13:52.

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

Report Date: July 7, 2026

**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 July 2026

Report Period: June 2026

| Date       | BRANCH 1<br>[mg/L] |         | BRANCH 2<br>[mg/L] |         |
|------------|--------------------|---------|--------------------|---------|
|            | Average            | Minimum | Average            | Minimum |
| 01/06/2026 | 1.35               | 1.21    | 1.36               | 1.23    |
| 02/06/2026 | 1.23               | 1.12    | 1.27               | 1.15    |
| 03/06/2026 | 1.19               | 1.09    | 1.25               | 1.14    |
| 04/06/2026 | 1.28               | 1.10    | 1.31               | 1.15    |
| 05/06/2026 | 1.38               | 1.08    | 1.40               | 1.29    |
| 06/06/2026 | 1.45               | 1.40    | 1.45               | 1.39    |
| 07/06/2026 | 1.52               | 1.48    | 1.51               | 1.46    |
| 08/06/2026 | 1.48               | 1.43    | 1.44               | 1.24    |
| 09/06/2026 | 1.50               | 1.42    | 1.50               | 1.43    |
| 10/06/2026 | 1.44               | 1.33    | 1.44               | 1.30    |
| 11/06/2026 | 1.38               | 1.32    | 1.38               | 1.32    |
| 12/06/2026 | 1.28               | 1.23    | 1.30               | 1.26    |
| 13/06/2026 | 1.30               | 1.24    | 1.33               | 1.27    |
| 14/06/2026 | 1.25               | 1.18    | 1.30               | 1.22    |
| 15/06/2026 | 1.31               | 1.13    | 1.32               | 1.19    |
| 16/06/2026 | 1.47               | 1.38    | 1.45               | 1.35    |
| 17/06/2026 | 1.45               | 1.37    | 1.45               | 1.32    |
| 18/06/2026 | 1.36               | 1.30    | 1.40               | 1.34    |
| 19/06/2026 | 1.40               | 1.36    | 1.47               | 1.42    |
| 20/06/2026 | 1.42               | 1.33    | 1.49               | 1.42    |
| 21/06/2026 | 1.48               | 1.42    | 1.52               | 1.46    |
| 22/06/2026 | 1.58               | 1.54    | 1.61               | 1.59    |
| 23/06/2026 | 1.59               | 1.52    | 1.59               | 1.53    |
| 24/06/2026 | 1.55               | 1.51    | 1.55               | 1.52    |
| 25/06/2026 | 1.55               | 1.51    | 1.54               | 1.50    |
| 26/06/2026 | 1.58               | 1.54    | 1.60               | 1.52    |
| 27/06/2026 | 1.56               | 0.93    | 1.35               | 1.15    |
| 28/06/2026 | 1.55               | 1.50    | 1.37               | 1.16    |
| 29/06/2026 | 1.57               | 1.25    | 1.60               | 1.32    |
| 30/06/2026 | 1.73               | 1.63    | 1.73               | 1.48    |

|                                             |        |        |
|---------------------------------------------|--------|--------|
| Total Number of Measurements, A:            | 20888  | 20886  |
| Minimum Free Chlorine Standard:             | 0.5    | 0.5    |
| Number of Measurements Meeting Standard, B: | 20888  | 20886  |
| COMPLIANCE, C = B/A X 100%:                 | 100.00 | 100.00 |

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Chlorine\2026\06-June

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



## Water Treatment Plant Chlorine Grab Monitoring Report June 2026

| Water System Code: 252.00                                                                                                                                                                       | Deacon Booster Pumping Station Branch 1 |      |                       | Deacon Booster Pumping Station Branch 2 |      |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|------|-----------------------|-----------------------------------------|------|-----------------------|
| Licence No. PWS-09-412-03                                                                                                                                                                       |                                         |      |                       |                                         |      |                       |
| 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-2026                                                                                                                                                                                     | 1.42                                    | 1.34 | 1.61                  | 1.39                                    | 1.40 | 1.58                  |
| 02-Jun-2026                                                                                                                                                                                     | 1.22                                    | 1.24 | 1.45                  | 1.27                                    | 1.28 | 1.52                  |
| 03-Jun-2026                                                                                                                                                                                     | 1.21                                    | 1.18 | 1.42                  | 1.24                                    | 1.26 | 1.47                  |
| 04-Jun-2026                                                                                                                                                                                     | 1.29                                    | 1.27 | 1.54                  | 1.35                                    | 1.36 | 1.61                  |
| 05-Jun-2026                                                                                                                                                                                     | 1.31                                    | 1.34 | 1.53                  | 1.33                                    | 1.38 | 1.47                  |
| 06-Jun-2026                                                                                                                                                                                     | ns                                      | ns   | ns                    | ns                                      | ns   | ns                    |
| 07-Jun-2026                                                                                                                                                                                     | ns                                      | ns   | ns                    | ns                                      | ns   | ns                    |
| 08-Jun-2026                                                                                                                                                                                     | 1.51                                    | 1.46 | 1.66                  | 1.43                                    | 1.38 | 1.65                  |
| 09-Jun-2026                                                                                                                                                                                     | 1.50                                    | 1.50 | 1.71                  | 1.48                                    | 1.45 | 1.67                  |
| 10-Jun-2026                                                                                                                                                                                     | 1.42                                    | 1.38 | 1.68                  | 1.40                                    | 1.37 | 1.61                  |
| 11-Jun-2026                                                                                                                                                                                     | 1.42                                    | 1.35 | 1.66                  | 1.40                                    | 1.37 | 1.67                  |
| 12-Jun-2026                                                                                                                                                                                     | 1.28                                    | 1.19 | 1.55                  | 1.30                                    | 1.36 | 1.61                  |
| 13-Jun-2026                                                                                                                                                                                     | ns                                      | ns   | ns                    | ns                                      | ns   | ns                    |
| 14-Jun-2026                                                                                                                                                                                     | ns                                      | ns   | ns                    | ns                                      | ns   | ns                    |
| 15-Jun-2026                                                                                                                                                                                     | 1.25                                    | 1.41 | 1.59                  | 1.31                                    | 1.39 | 1.62                  |
| 16-Jun-2026                                                                                                                                                                                     | 1.48                                    | 1.48 | 1.74                  | 1.46                                    | 1.51 | 1.75                  |
| 17-Jun-2026                                                                                                                                                                                     | 1.47                                    | 1.43 | 1.67                  | 1.45                                    | 1.49 | 1.72                  |
| 18-Jun-2026                                                                                                                                                                                     | 1.34                                    | 1.36 | 1.59                  | 1.36                                    | 1.42 | 1.60                  |
| 19-Jun-2026                                                                                                                                                                                     | 1.40                                    | 1.45 | 1.68                  | 1.45                                    | 1.46 | 1.65                  |
| 20-Jun-2026                                                                                                                                                                                     | ns                                      | ns   | ns                    | ns                                      | ns   | ns                    |
| 21-Jun-2026                                                                                                                                                                                     | ns                                      | ns   | ns                    | ns                                      | ns   | ns                    |
| 22-Jun-2026                                                                                                                                                                                     | 1.57                                    | 1.63 | 1.82                  | 1.61                                    | 1.64 | 1.84                  |
| 23-Jun-2026                                                                                                                                                                                     | 1.63                                    | 1.55 | 1.85                  | 1.61                                    | 1.58 | 1.86                  |
| 24-Jun-2026                                                                                                                                                                                     | 1.56                                    | 1.51 | 1.75                  | 1.56                                    | 1.54 | 1.77                  |
| 25-Jun-2026                                                                                                                                                                                     | 1.55                                    | 1.50 | 1.69                  | 1.53                                    | 1.49 | 1.77                  |
| 26-Jun-2026                                                                                                                                                                                     | 1.60                                    | 1.62 | 1.85                  | 1.62                                    | 1.60 | 1.83                  |
| 27-Jun-2026                                                                                                                                                                                     | ns                                      | ns   | ns                    | ns                                      | ns   | ns                    |
| 28-Jun-2026                                                                                                                                                                                     | ns                                      | ns   | ns                    | ns                                      | ns   | ns                    |
| 29-Jun-2026                                                                                                                                                                                     | 1.57                                    | 1.54 | 1.75                  | 1.62                                    | 1.52 | 1.75                  |
| 30-Jun-2026                                                                                                                                                                                     | 1.71                                    | 1.73 | 1.81                  | 1.50                                    | 1.51 | 1.68                  |
| Total number of measurements taken, A:<br>Chlorine Standard for Monitoring Location (mg/L):<br>Number of measurements meeting standard, B:<br>Compliance with Chlorine Standard, C= B/A X 100%: |                                         | 22   |                       | 22                                      |      |                       |
|                                                                                                                                                                                                 |                                         | 0.50 |                       | 0.50                                    |      |                       |
|                                                                                                                                                                                                 |                                         | 22   |                       | 22                                      |      |                       |
|                                                                                                                                                                                                 |                                         | 100% |                       | 100%                                    |      |                       |

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

Comments:

Report Date: July 7, 2026



**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: **June 2026**

Report Created: **Wednesday, July 01, 2026**

| Date       | UVR-D100A         |        | UVR-D200A         |        | UVR-D300A         |       | UVR-D400A         |       | UVR-D500A         |        | UVR-D600A<br>water volume [ML] |        | Total             |        | % Volume<br>Treated To<br>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  |                                |
| 01/06/2026 | 0.00              | 0.00   | 0.00              | 0.00   | 98.18             | 98.18 | 0.00              | 0.00  | 58.76             | 58.76  | 105.63                         | 105.63 | 262.58            | 262.58 | 100.00                         |
| 02/06/2026 | 0.00              | 0.00   | 0.00              | 0.00   | 99.33             | 99.33 | 0.00              | 0.00  | 59.19             | 59.19  | 106.46                         | 106.46 | 264.98            | 264.98 | 100.00                         |
| 03/06/2026 | 0.00              | 0.00   | 0.00              | 0.00   | 99.37             | 99.37 | 0.00              | 0.00  | 58.97             | 58.97  | 106.79                         | 106.79 | 265.14            | 265.14 | 100.00                         |
| 04/06/2026 | 0.00              | 0.00   | 0.00              | 0.00   | 60.78             | 60.78 | 0.00              | 0.00  | 19.61             | 20.12  | 66.01                          | 66.06  | 146.40            | 146.96 | 99.62                          |
| 05/06/2026 | 0.00              | 0.00   | 52.74             | 52.74  | 54.19             | 54.19 | 0.00              | 0.00  | 0.00              | 0.00   | 112.17                         | 112.17 | 219.11            | 219.11 | 100.00                         |
| 06/06/2026 | 0.00              | 0.00   | 115.53            | 115.53 | 0.00              | 0.00  | 0.00              | 0.00  | 0.00              | 0.00   | 104.47                         | 104.47 | 220.00            | 220.00 | 100.00                         |
| 07/06/2026 | 0.00              | 0.00   | 116.09            | 116.09 | 0.00              | 0.00  | 0.00              | 0.00  | 0.00              | 0.00   | 105.06                         | 105.06 | 221.15            | 221.15 | 100.00                         |
| 08/06/2026 | 0.00              | 0.00   | 120.42            | 120.42 | 0.00              | 0.00  | 0.00              | 0.00  | 65.12             | 65.12  | 41.72                          | 41.72  | 227.26            | 227.26 | 100.00                         |
| 09/06/2026 | 0.00              | 0.00   | 120.44            | 120.44 | 0.00              | 0.00  | 0.00              | 0.00  | 105.56            | 105.56 | 0.00                           | 0.00   | 226.00            | 226.00 | 100.00                         |
| 10/06/2026 | 0.00              | 0.00   | 120.15            | 120.15 | 0.00              | 0.00  | 0.00              | 0.00  | 105.39            | 105.39 | 0.00                           | 0.00   | 225.54            | 225.54 | 100.00                         |
| 11/06/2026 | 0.00              | 0.00   | 117.45            | 117.45 | 0.00              | 0.00  | 0.00              | 0.00  | 103.11            | 103.11 | 0.00                           | 0.00   | 220.56            | 220.56 | 100.00                         |
| 12/06/2026 | 0.00              | 0.00   | 109.33            | 109.33 | 0.00              | 0.00  | 0.00              | 0.00  | 102.90            | 102.90 | 0.00                           | 0.00   | 212.23            | 212.23 | 100.00                         |
| 13/06/2026 | 0.00              | 0.00   | 104.50            | 104.50 | 0.00              | 0.00  | 0.00              | 0.00  | 102.01            | 102.01 | 0.00                           | 0.00   | 206.52            | 206.52 | 100.00                         |
| 14/06/2026 | 0.00              | 0.00   | 101.47            | 101.47 | 0.00              | 0.00  | 0.00              | 0.00  | 99.46             | 99.46  | 0.00                           | 0.00   | 200.94            | 200.94 | 100.00                         |
| 15/06/2026 | 0.00              | 0.00   | 103.63            | 103.63 | 0.00              | 0.00  | 0.00              | 0.00  | 96.26             | 96.26  | 0.00                           | 0.00   | 199.88            | 199.88 | 100.00                         |
| 16/06/2026 | 0.00              | 0.00   | 107.46            | 107.46 | 0.00              | 0.00  | 0.00              | 0.00  | 92.57             | 92.57  | 0.00                           | 0.00   | 200.03            | 200.03 | 100.00                         |
| 17/06/2026 | 0.00              | 0.00   | 109.72            | 109.72 | 0.00              | 0.00  | 0.00              | 0.00  | 89.19             | 89.19  | 0.00                           | 0.00   | 198.91            | 198.91 | 100.00                         |
| 18/06/2026 | 0.00              | 0.00   | 108.43            | 108.43 | 0.00              | 0.00  | 0.00              | 0.00  | 87.57             | 87.57  | 0.00                           | 0.00   | 196.00            | 196.00 | 100.00                         |
| 19/06/2026 | 0.00              | 0.00   | 108.46            | 108.46 | 0.00              | 0.00  | 0.00              | 0.00  | 87.55             | 87.55  | 0.00                           | 0.00   | 196.01            | 196.01 | 100.00                         |
| 20/06/2026 | 0.00              | 0.00   | 108.46            | 108.46 | 0.00              | 0.00  | 0.00              | 0.00  | 87.55             | 87.55  | 0.00                           | 0.00   | 196.01            | 196.01 | 100.00                         |
| 21/06/2026 | 0.00              | 0.00   | 108.47            | 108.47 | 0.00              | 0.00  | 0.00              | 0.00  | 87.55             | 87.55  | 0.00                           | 0.00   | 196.01            | 196.01 | 100.00                         |
| 22/06/2026 | 0.00              | 0.00   | 108.48            | 108.48 | 0.00              | 0.00  | 0.00              | 0.00  | 87.53             | 87.53  | 0.00                           | 0.00   | 196.00            | 196.00 | 100.00                         |
| 23/06/2026 | 0.00              | 0.00   | 108.77            | 108.77 | 0.00              | 0.00  | 0.00              | 0.00  | 87.70             | 87.70  | 0.00                           | 0.00   | 196.47            | 196.47 | 100.00                         |
| 24/06/2026 | 0.00              | 0.00   | 109.41            | 109.41 | 0.00              | 0.00  | 0.00              | 0.00  | 88.17             | 88.17  | 0.00                           | 0.00   | 197.58            | 197.58 | 100.00                         |
| 25/06/2026 | 0.00              | 0.00   | 108.51            | 108.51 | 0.00              | 0.00  | 0.00              | 0.00  | 87.48             | 87.48  | 0.00                           | 0.00   | 195.99            | 195.99 | 100.00                         |
| 26/06/2026 | 0.00              | 0.00   | 108.40            | 108.40 | 0.00              | 0.00  | 0.00              | 0.00  | 87.59             | 87.59  | 0.00                           | 0.00   | 195.99            | 195.99 | 100.00                         |
| 27/06/2026 | 96.55             | 96.55  | 4.89              | 5.17   | 0.00              | 0.00  | 0.00              | 0.00  | 92.75             | 94.02  | 0.00                           | 0.00   | 194.19            | 195.74 | 99.21                          |
| 28/06/2026 | 101.06            | 101.06 | 0.00              | 0.00   | 0.00              | 0.00  | 0.00              | 0.00  | 22.72             | 68.22  | 26.68                          | 26.68  | 150.47            | 195.97 | 76.78                          |
| 29/06/2026 | 102.02            | 102.02 | 0.00              | 0.00   | 0.00              | 0.00  | 0.32              | 0.32  | 0.00              | 0.00   | 97.72                          | 97.72  | 200.06            | 200.06 | 100.00                         |
| 30/06/2026 | 103.12            | 103.12 | 0.00              | 0.00   | 0.00              | 0.00  | 0.00              | 0.00  | 64.03             | 64.03  | 34.67                          | 34.67  | 201.82            | 201.82 | 100.00                         |

**Total [ML]:** 402.74 402.74 2381.21 2381.49 411.86 411.86 0.32 0.32 2126.28 2173.55 907.38 907.43 6229.80 6277.40

**Water Volume [%]:**  
To Dose per reactor 100.00 % 99.99 % 100.00 % 99.89 % 97.83 % 99.99 %  
To Dose Total 99.24 %

**Notes:** 1. Target Log value: 2.00

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

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

Page 1 of 2

**WATER TREATMENT PLANT UV REPORT**

Report Period: **June 2026**

Report Created: **Wednesday, July 01, 2026**

| 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. |
| 01/06/2026 | 94.8              | 94.3 | 93.6     | 86.6 | OL        | OL   | OL        | OL   | 4.0       | 3.5  | OL        | OL   | 3.3       | 2.3  | 2.5       | 1.8  |
| 02/06/2026 | 94.4              | 92.7 | 94.3     | 92.4 | OL        | OL   | OL        | OL   | 4.0       | 3.4  | OL        | OL   | 3.1       | 2.3  | 2.5       | 2.3  |
| 03/06/2026 | 94.3              | 92.9 | 94.2     | 92.9 | OL        | OL   | OL        | OL   | 3.9       | 3.4  | OL        | OL   | 2.9       | 2.3  | 2.5       | 2.3  |
| 04/06/2026 | 93.3              | 92.7 | 93.2     | 92.8 | OL        | OL   | OL        | OL   | 3.6       | 3.4  | OL        | OL   | 2.4       | 0.2  | 2.4       | 1.8  |
| 05/06/2026 | 94.8              | 94.4 | 94.8     | 94.5 | OL        | OL   | 3.2       | 2.8  | 3.9       | 3.8  | OL        | OL   | OL        | OL   | 2.5       | 2.3  |
| 06/06/2026 | 94.8              | 94.5 | 94.8     | 94.6 | OL        | OL   | 2.8       | 2.7  | OL        | OL   | OL        | OL   | OL        | OL   | 2.5       | 2.4  |
| 07/06/2026 | 94.8              | 94.4 | 94.8     | 94.5 | OL        | OL   | 2.8       | 2.5  | OL        | OL   | OL        | OL   | OL        | OL   | 2.5       | 2.3  |
| 08/06/2026 | 94.8              | 93.7 | 94.9     | 94.5 | OL        | OL   | 2.6       | 2.3  | OL        | OL   | OL        | OL   | 3.4       | 3.1  | 2.5       | 2.3  |
| 09/06/2026 | 94.7              | 94.4 | 94.8     | 94.6 | OL        | OL   | 2.5       | 2.3  | OL        | OL   | OL        | OL   | 3.2       | 2.8  | OL        | OL   |
| 10/06/2026 | 95.0              | 94.7 | 95.1     | 94.8 | OL        | OL   | 2.5       | 2.4  | OL        | OL   | OL        | OL   | 3.2       | 2.9  | OL        | OL   |
| 11/06/2026 | 95.1              | 94.9 | 95.2     | 95.0 | OL        | OL   | 2.5       | 2.4  | OL        | OL   | OL        | OL   | 3.2       | 2.8  | OL        | OL   |
| 12/06/2026 | 95.3              | 95.1 | 95.3     | 94.9 | OL        | OL   | 2.7       | 2.4  | OL        | OL   | OL        | OL   | 3.1       | 2.5  | OL        | OL   |
| 13/06/2026 | 95.2              | 94.8 | 95.2     | 94.9 | OL        | OL   | 2.7       | 2.5  | OL        | OL   | OL        | OL   | 3.0       | 2.7  | OL        | OL   |
| 14/06/2026 | 94.9              | 94.5 | 94.9     | 94.8 | OL        | OL   | 2.7       | 2.4  | OL        | OL   | OL        | OL   | 2.9       | 2.7  | OL        | OL   |
| 15/06/2026 | 94.7              | 94.0 | 94.7     | 94.0 | OL        | OL   | 2.6       | 2.3  | OL        | OL   | OL        | OL   | 2.7       | 2.3  | OL        | OL   |
| 16/06/2026 | 94.8              | 94.3 | 94.7     | 94.5 | OL        | OL   | 2.5       | 2.3  | OL        | OL   | OL        | OL   | 2.8       | 2.5  | OL        | OL   |
| 17/06/2026 | 95.1              | 94.5 | 95.1     | 94.5 | OL        | OL   | 2.5       | 2.2  | OL        | OL   | OL        | OL   | 2.8       | 2.5  | OL        | OL   |
| 18/06/2026 | 95.3              | 95.1 | 95.2     | 94.9 | OL        | OL   | 2.5       | 2.3  | OL        | OL   | OL        | OL   | 2.7       | 2.5  | OL        | OL   |
| 19/06/2026 | 95.3              | 95.0 | 95.2     | 94.8 | OL        | OL   | 2.5       | 2.3  | OL        | OL   | OL        | OL   | 2.6       | 2.4  | OL        | OL   |
| 20/06/2026 | 95.3              | 95.1 | 95.2     | 95.0 | OL        | OL   | 2.5       | 2.3  | OL        | OL   | OL        | OL   | 2.5       | 2.3  | OL        | OL   |
| 21/06/2026 | 95.2              | 94.7 | 95.1     | 94.7 | OL        | OL   | 2.5       | 2.3  | OL        | OL   | OL        | OL   | 2.5       | 2.3  | OL        | OL   |
| 22/06/2026 | 95.4              | 95.2 | 95.3     | 95.0 | OL        | OL   | 2.5       | 2.3  | OL        | OL   | OL        | OL   | 2.5       | 2.3  | OL        | OL   |
| 23/06/2026 | 95.4              | 95.1 | 95.3     | 95.0 | OL        | OL   | 2.5       | 2.3  | OL        | OL   | OL        | OL   | 2.5       | 2.3  | OL        | OL   |
| 24/06/2026 | 95.4              | 95.1 | 95.3     | 94.9 | OL        | OL   | 2.5       | 2.3  | OL        | OL   | OL        | OL   | 2.5       | 2.3  | OL        | OL   |
| 25/06/2026 | 95.5              | 95.3 | 95.4     | 95.1 | OL        | OL   | 2.5       | 2.2  | OL        | OL   | OL        | OL   | 2.5       | 2.3  | OL        | OL   |
| 26/06/2026 | 95.6              | 95.3 | 95.5     | 95.3 | OL        | OL   | 2.5       | 2.2  | OL        | OL   | OL        | OL   | 2.5       | 2.3  | OL        | OL   |
| 27/06/2026 | 95.5              | 95.0 | 96.0     | 95.5 | 3.0       | 2.5  | 2.5       | 2.3  | OL        | OL   | OL        | OL   | 2.1       | 1.4  | OL        | OL   |
| 28/06/2026 | 95.4              | 94.5 | 96.4     | 96.0 | 3.2       | 2.7  | OL        | OL   | OL        | OL   | OL        | OL   | 1.9       | 1.1  | 3.7       | 2.9  |
| 29/06/2026 | 95.3              | 94.8 | 96.7     | 96.2 | 3.0       | 2.6  | OL        | OL   | OL        | OL   | 1.3       | 0.0  | OL        | OL   | 3.2       | 2.6  |
| 30/06/2026 | 94.4              | 93.4 | 96.2     | 95.1 | 2.6       | 2.2  | OL        | OL   | OL        | OL   | OL        | OL   | 3.1       | 2.3  | 2.9       | 2.5  |

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

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

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