



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

August 7, 2025

RE: JULY 2025 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 July 2025.

The on-line and grab sampling turbidity reports include results obtained for the Water Treatment Plant raw water and the eight filters. The maximum turbidity analyser readings were greater than 0.30 NTU for filter 1 on July 15 and for filters 2 and 4 on July 4; the elevated turbidities occurred for less than 12 consecutive hours. On July 3, 5, 9 and 22, the turbidity on filter 1 exceeded 1.00 NTU; additional information for these exceedances is provided separately in Corrective Action Reports. With the exception of these events, 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.

Yours sincerely,

R. Grosselle
Manager of Environmental Standards

Enclosures

cc: Dr. L. Richards, Winnipeg Regional Health Authority (email)
Dr. H. Chang, Winnipeg Regional Health Authority (email)
Dr. T. Hilderman, Manitoba Health and Seniors Care (email)
T. Shanks, M. Eng., P. Eng. (email)
M. Szmon, P. Eng. (email)
H. Buhler, P. Eng. (email)
C. Wiebe, P. Eng. (email)
C. Diduck (email)



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)

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
1/07/2025	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: Turbidity Standard for Monitoring Location (NTU): Number of measurements meeting standard, B: Compliance with Turbidity Standard, C= B/A X 100%:			22		22		22		22		22		22		22		22	
			0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30	
			22		22		22		22		22		22		22		22	
			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: August 6, 2025

July 15 - no result due to laboratory error

**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. MerredewSignature: 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: Chlorine Standard for Monitoring Location (mg/L): Number of measurements meeting standard, B: 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:

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

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

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew