



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

February 7, 2025

RE: JANUARY 2025 WATER QUALITY COMPLIANCE SUBMISSION FOR THE CITY OF WINNIPEG WATER SUPPLY SYSTEM

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 January 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 was greater than 0.30 NTU on Filter 1 on January 19 and Filter 3 on several days; the elevated turbidities occurred for less than 12 consecutive hours. On January 20, the turbidity on Filter 3 exceeded 1.00 NTU; additional information for this exceedance is provided separately in a Corrective Action Report. With the exception of this event, 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

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:			22		22		12		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		11		22		22		22		22		22		
Compliance with Turbidity Standard, C= B/A X 100%:			100%		100%		92%		100%		100%		100%		100%		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

**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

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

Submitted By (Print): D. MerredewSignature: 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



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		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.
01/01/2025	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:
1. UV target value is 2.00 [Log]
2. OL - Off Line

Submitted By (Print): __D. Merredew

Signature: __original signed by D. Merredew