



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

May 7, 2024

**RE: APRIL 2024 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 April 2024.

The on-line and grab sampling turbidity reports include results obtained for the Water Treatment Plant raw water and the eight filters. On April 16, the turbidity on Filter 3 exceeded 1.00 NTU; the elevated turbidity reading was caused by analyzer maintenance; additional information is provided in CAR-02-2024. 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. 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**

April 2024 Turbidity (NTU)

Date	Raw	Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
	Avg	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/04/2024	0.94	0.08	0.13	0.06	0.13	0.04	0.12	0.10	0.14	0.01	0.03	0.02	0.04	0.08	0.10	0.01	0.03
2/04/2024	0.93	0.08	0.13	0.08	0.10	0.05	0.11	0.09	0.15	0.01	0.03	0.01	0.04	0.08	0.11	0.00	0.01
3/04/2024	0.94	0.08	0.13	0.07	0.13	0.06	0.08	0.09	0.16	0.00	0.03	0.01	0.03	0.08	0.11	0.01	0.03
4/04/2024	0.93	0.08	0.11	0.06	0.12	0.05	0.14	0.09	0.17	0.00	0.02	0.01	0.03	0.08	0.12	0.00	0.02
5/04/2024	0.92	0.07	0.11	0.06	0.11	0.05	0.11	0.11	0.14	0.00	0.01	0.01	0.04	0.07	0.10	0.00	0.02
6/04/2024	0.95	0.07	0.12	0.07	0.08	0.05	0.11	0.09	0.14	0.00	0.01	0.01	0.03	0.09	0.11	0.00	0.02
7/04/2024	0.96	0.07	0.11	0.06	0.11	0.06	0.10	0.09	0.15	0.00	0.01	0.01	0.02	0.08	0.11	0.01	0.04
8/04/2024	0.96	0.08	0.09	0.06	0.11	0.06	0.12	0.09	0.14	0.00	0.01	0.01	0.03	0.07	0.11	0.00	0.02
9/04/2024	0.99	0.07	0.11	0.06	0.11	0.07	0.12	0.10	0.16	0.00	0.00	0.01	0.03	0.08	0.11	0.01	0.03
10/04/2024	1.00	0.07	0.11	0.07	0.09	0.09	0.16	0.09	0.14	0.02	0.07	0.01	0.04	0.08	0.11	0.01	0.04
11/04/2024	1.02	0.06	0.12	0.05	0.10	0.12	0.19	0.04	0.10	0.04	0.18	0.01	0.04	0.06	0.11	0.03	0.07
12/04/2024	1.03	0.07	0.10	0.05	0.11	0.11	0.23	0.05	0.09	0.06	0.09	0.02	0.03	0.07	0.11	0.02	0.07
13/04/2024	1.03	0.09	0.13	0.06	0.11	0.06	0.12	0.05	0.07	0.05	0.08	0.01	0.04	0.08	0.12	0.03	0.06
14/04/2024	1.00	0.08	0.12	0.07	0.09	0.06	0.15	0.05	0.09	0.06	0.09	0.01	0.04	0.10	0.11	0.03	0.05
15/04/2024	0.95	0.09	0.13	0.07	0.11	0.07	0.14	0.05	0.09	0.06	0.08	0.01	0.03	0.08	0.12	0.04	0.06
16/04/2024	1.26	0.09	0.12	0.07	0.11	0.10	5.00	0.05	0.10	0.06	0.08	0.01	0.03	0.08	0.12	0.04	0.06
17/04/2024	1.04	0.12	0.14	0.07	0.12	0.05	0.09	0.06	0.13	0.06	0.09	0.02	0.04	0.08	0.11	0.04	0.07
18/04/2024	1.03	0.13	0.16	0.10	0.12	0.04	0.09	0.05	0.09	0.07	0.10	0.02	0.05	0.10	0.12	0.04	0.07
19/04/2024	1.08	0.14	0.18	0.09	0.14	0.05	0.12	0.06	0.09	0.07	0.10	0.02	0.05	0.09	0.12	0.05	0.07
20/04/2024	1.11	0.14	0.21	0.11	0.16	0.05	0.09	0.06	0.10	0.08	0.09	0.03	0.04	0.09	0.13	0.05	0.08
21/04/2024	1.10	0.12	0.25	0.12	0.18	0.05	0.10	0.06	0.08	0.08	0.12	0.03	0.06	0.10	0.13	0.06	0.10
22/04/2024	1.20	0.06	0.09	0.09	0.17	0.05	0.20	0.09	0.13	0.05	0.11	0.03	0.07	0.08	0.13	0.06	0.12
23/04/2024	1.10	0.06	0.09	0.03	0.06	0.06	0.14	0.10	0.15	0.02	0.04	0.03	0.06	0.02	0.04	0.05	0.07
24/04/2024	1.20	0.05	0.08	0.03	0.06	0.06	0.22	0.09	0.14	0.01	0.03	0.04	0.05	0.02	0.04	0.05	0.08
25/04/2024	1.14	0.06	0.07	0.03	0.06	0.06	0.13	0.09	0.14	0.01	0.03	0.03	0.06	0.01	0.04	0.05	0.08
26/04/2024	1.11	0.05	0.09	0.03	0.05	0.06	0.19	0.11	0.15	0.00	0.04	0.03	0.06	0.01	0.03	0.05	0.09
27/04/2024	1.06	0.05	0.08	0.03	0.07	0.04	0.14	0.10	0.15	0.00	0.02	0.03	0.08	0.01	0.03	0.06	0.08
28/04/2024	1.07	0.06	0.09	0.03	0.06	0.03	0.19	0.10	0.15	0.00	0.03	0.04	0.06	0.01	0.04	0.06	0.09
29/04/2024	1.09	0.08	0.10	0.03	0.06	0.03	0.11	0.10	0.15	0.00	0.03	0.03	0.07	0.01	0.03	0.06	0.10
30/04/2024	1.08	0.08	0.11	0.03	0.07	0.02	0.08	0.12	0.15	0.00	0.02	0.04	0.07	0.01	0.03	0.07	0.10

Total Number of Measurements Taken, A:	13563	14716	16222	15578	11723	16128	14849	16316
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:	13563	14716	16217	15578	11723	16128	14849	16316
Compliance with Turbidity Standard, C = B/A X 100%:	100.000%	100.000%	99.969%	100.000%	100.000%	100.000%	100.000%	100.000%

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2024\04-April

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



**WATER TREATMENT PLANT TURBIDITY GRAB MONITORING REPORT**

Water System Code: 252.00		Turbidity (NTU)																		
Licence No. PWS-09-412-02 AA																				
Date	Raw Water		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8			
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser		
01-Apr-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
02-Apr-2024	0.56	0.92	0.10	0.09	0.11	0.08	0.12	0.06	0.12	0.12	0.11	0.02	0.07	0.02	0.08	0.08	0.08	0.08	<0.02	
03-Apr-2024	0.70	0.91	0.10	0.09	0.11	0.09	0.13	0.06	0.09	0.09	0.13	0.03	0.07	0.02	0.10	0.10	0.08	0.08	<0.02	
04-Apr-2024	0.67	0.90	0.10	0.08	0.10	0.07	0.14	0.08	0.09	0.10	0.10	<0.02	0.08	0.02	0.07	0.08	0.09	0.08	<0.02	
05-Apr-2024	0.69	0.91	0.12	0.09	0.10	0.07	0.11	0.05	0.10	0.11	0.11	0.02	0.10	0.04	0.09	0.08	0.08	0.08	<0.02	
06-Apr-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
07-Apr-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
08-Apr-2024	0.66	0.94	0.09	0.08	0.09	0.07	0.11	0.07	0.09	0.10	0.09	<0.02	0.08	0.02	0.08	0.07	0.09	0.09	<0.02	
09-Apr-2024	0.64	0.96	0.12	0.08	0.10	0.06	0.11	0.08	0.10	0.10	0.15	<0.02	0.11	0.03	0.09	0.08	0.10	0.10	<0.02	
10-Apr-2024	0.68	1.00	0.11	0.10	0.09	0.07	0.11	0.10	0.12	0.13	0.11	<0.02	0.07	0.02	0.08	0.08	0.08	0.08	<0.02	
11-Apr-2024	0.64	0.98	0.09	0.09	0.12	0.09	0.11	0.12	0.10	0.05	0.12	0.06	0.09	0.02	0.12	0.10	0.10	0.10	0.03	
12-Apr-2024	0.66	0.96	0.09	0.09	0.12	0.10	0.15	0.18	0.10	0.05	0.11	0.07	0.09	0.02	0.08	0.08	0.09	0.09	0.03	
13-Apr-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
14-Apr-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
15-Apr-2024	0.68	0.93	0.09	0.11	0.10	0.09	0.11	0.07	0.09	0.05	0.13	0.07	0.08	0.02	0.10	0.11	0.08	0.08	0.03	
16-Apr-2024	1.12	1.21	0.09	0.11	0.09	0.08	0.12	0.08	0.09	0.06	0.12	0.07	0.08	0.02	0.08	0.08	0.10	0.10	0.05	
17-Apr-2024	0.72	1.00	0.09	0.13	0.08	0.08	0.10	0.05	0.09	0.07	0.12	0.08	0.08	0.03	0.08	0.09	0.08	0.08	0.03	
18-Apr-2024	0.76	0.98	0.11	0.16	0.09	0.10	0.10	0.05	0.10	0.07	0.08	0.07	0.07	0.02	0.08	0.09	0.08	0.08	0.04	
19-Apr-2024	0.78	1.05	0.10	0.15	0.11	0.12	0.11	0.05	0.09	0.06	0.09	0.08	0.08	0.03	0.11	0.11	0.09	0.09	0.05	
20-Apr-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
21-Apr-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
22-Apr-2024	0.69	1.26	0.10	0.07	0.10	0.17	0.11	0.05	0.10	0.08	0.14	0.06	0.09	0.04	0.10	0.11	0.10	0.10	0.06	
23-Apr-2024	0.65	1.11	0.08	0.06	0.09	0.03	0.10	0.06	0.10	0.13	0.09	0.02	0.08	0.04	0.09	<0.02	0.10	0.10	0.05	
24-Apr-2024	0.71	1.22	0.09	0.07	0.11	0.06	0.11	0.07	0.09	0.10	0.08	0.03	0.09	0.04	0.08	<0.02	0.10	0.10	0.06	
25-Apr-2024	0.69	1.21	0.09	0.07	0.09	0.03	0.11	0.07	0.09	0.11	0.08	0.02	0.09	0.05	0.08	<0.02	0.08	0.08	0.05	
26-Apr-2024	0.69	1.06	0.10	0.08	0.09	0.04	0.10	0.06	0.11	0.12	0.11	0.03	0.08	0.05	0.10	<0.02	0.09	0.09	0.05	
27-Apr-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
28-Apr-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
29-Apr-2024	0.68	1.06	0.09	0.08	0.08	0.05	0.12	0.08	0.09	0.12	0.08	<0.02	0.09	0.05	0.08	<0.02	0.10	0.10	0.07	
30-Apr-2024	0.67	1.09	0.10	0.10	0.09	0.04	0.09	0.02	0.09	0.11	0.09	0.02	0.08	0.04	0.08	<0.02	0.08	0.08	0.07	
<b>Total number of measurements taken, A:</b>			21		21		21		21		21		21		21		21		21	
<b>Turbidity Standard for Monitoring Location (NTU):</b>			0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30	
<b>Number of measurements meeting standard, B:</b>			21		21		21		21		21		21		21		21		21	
<b>Compliance with Turbidity Standard, C= B/A X 100%:</b>			100%		100%		100%		100%		100%		100%		100%		100%		100%	

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

Comments:

Report Date: May 7, 2024



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

Water System Code: 252.00  
Licence Number: PWS-09-412-02-AA  
Report Created: 01 May 2024

Report Period: April 2024

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/04/2024	1.37	1.28	1.33	1.24
02/04/2024	1.21	1.08	1.21	1.15
03/04/2024	1.20	0.92	1.23	1.06
04/04/2024	1.24	1.17	1.30	1.22
05/04/2024	1.36	1.30	1.43	1.36
06/04/2024	1.31	1.19	1.36	1.21
07/04/2024	1.32	1.22	1.32	1.25
08/04/2024	1.34	1.28	1.31	1.25
09/04/2024	1.33	1.24	1.30	1.23
10/04/2024	1.30	1.25	1.29	1.23
11/04/2024	1.33	1.04	1.31	1.03
12/04/2024	1.43	1.39	1.40	1.35
13/04/2024	1.30	1.18	1.28	1.18
14/04/2024	1.27	1.20	1.27	1.21
15/04/2024	1.21	1.17	1.22	1.18
16/04/2024	1.31	1.23	1.31	1.20
17/04/2024	1.34	1.27	1.34	1.27
18/04/2024	1.31	1.24	1.30	1.23
19/04/2024	1.31	1.24	1.29	1.22
20/04/2024	1.31	1.26	1.30	1.26
21/04/2024	1.27	1.23	1.31	1.25
22/04/2024	1.28	1.23	1.30	1.20
23/04/2024	1.26	1.19	1.27	1.21
24/04/2024	1.24	1.20	1.26	1.22
25/04/2024	1.28	1.22	1.29	1.21
26/04/2024	1.26	1.20	1.27	1.23
27/04/2024	1.24	1.16	1.23	1.17
28/04/2024	1.25	1.19	1.26	1.19
29/04/2024	1.26	1.14	1.28	1.17
30/04/2024	1.27	1.22	1.24	1.17

Total Number of Measurements, A:	20881	20881
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	20881	20881
COMPLIANCE, C = B/A X 100%:	100.00	100.00

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Chlorine\2024\04-April

Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



WATER TREATMENT PLANT CHLORINE GRAB MONITORING REPORT						
Water System Code: 252.00	Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
Licence No. PWS-09-412-02 AA						
Date	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)
	Analyser	Grab	Grab	Analyser	Grab	Grab
01-Apr-2024	ns	ns	ns	ns	ns	ns
02-Apr-2024	1.27	1.25	1.53	1.22	1.25	1.55
03-Apr-2024	1.25	1.22	1.55	1.21	1.24	1.54
04-Apr-2024	1.23	1.26	1.54	1.29	1.30	1.63
05-Apr-2024	1.32	1.31	1.57	1.39	1.36	1.64
06-Apr-2024	ns	ns	ns	ns	ns	ns
07-Apr-2024	ns	ns	ns	ns	ns	ns
08-Apr-2024	1.33	1.31	1.52	1.31	1.34	1.50
09-Apr-2024	1.27	1.23	1.43	1.24	1.28	1.46
10-Apr-2024	1.26	1.26	1.46	1.24	1.31	1.50
11-Apr-2024	1.31	1.27	1.45	1.31	1.33	1.46
12-Apr-2024	1.42	1.43	1.68	1.38	1.41	1.67
13-Apr-2024	ns	ns	ns	ns	ns	ns
14-Apr-2024	ns	ns	ns	ns	ns	ns
15-Apr-2024	1.20	1.19	1.42	1.20	1.18	1.42
16-Apr-2024	1.30	1.31	1.48	1.28	1.30	1.54
17-Apr-2024	1.40	1.34	1.54	1.38	1.38	1.57
18-Apr-2024	1.33	1.30	1.49	1.30	1.31	1.51
19-Apr-2024	1.29	1.28	1.49	1.24	1.31	1.51
20-Apr-2024	ns	ns	ns	ns	ns	ns
21-Apr-2024	ns	ns	ns	ns	ns	ns
22-Apr-2024	1.35	1.30	1.51	1.32	1.33	1.49
23-Apr-2024	1.26	1.31	1.48	1.24	1.30	1.49
24-Apr-2024	1.27	1.30	1.47	1.25	1.29	1.45
25-Apr-2024	1.33	1.32	1.50	1.33	1.32	1.49
26-Apr-2024	1.29	1.30	1.44	1.29	1.28	1.43
27-Apr-2024	ns	ns	ns	ns	ns	ns
28-Apr-2024	ns	ns	ns	ns	ns	ns
29-Apr-2024	1.25	1.27	1.47	1.29	1.27	1.47
30-Apr-2024	1.27	1.31	1.49	1.21	1.30	1.48
<b>Total number of measurements taken, A:</b>	21			21		
<b>Chlorine Standard for Monitoring Location (mg/L):</b>	0.50			0.50		
<b>Number of measurements meeting standard, B:</b>	21			21		
<b>Compliance with Chlorine Standard, C= B/A X 100%:</b>	100%			100%		

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

Comments:

Report Date: May 7, 2024



**CITY OF WINNIPEG**  
**WATER AND WASTE DEPARTMENT**  
**WATER SERVICES**

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

**WATER TREATMENT PLANT UV REPORT**

Report Period: **April 2024**

Report Created: **Wednesday, May 01, 2024**

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	
01/04/2024	101.34	101.34	0.00	0.00	83.54	83.54	0.00	0.00	0.00	0.00	0.00	0.00	184.88	184.88	100.00
02/04/2024	103.82	103.82	0.00	0.00	85.82	85.82	0.00	0.00	0.00	0.00	0.00	0.00	189.64	189.64	100.00
03/04/2024	47.49	47.49	10.52	10.52	38.54	38.60	39.90	39.90	54.46	54.46	0.00	0.00	190.91	190.97	99.97
04/04/2024	0.00	0.00	0.00	0.00	0.00	0.00	92.20	92.20	99.59	99.59	0.00	0.00	191.79	191.79	100.00
05/04/2024	0.00	0.00	0.00	0.00	0.00	0.00	93.09	93.09	100.53	100.53	0.00	0.00	193.62	193.62	100.00
06/04/2024	0.00	0.00	0.00	0.00	0.00	0.00	89.50	89.50	96.94	96.94	0.00	0.00	186.44	186.44	100.00
07/04/2024	0.00	0.00	0.00	0.00	0.00	0.00	89.67	89.67	97.26	97.26	0.00	0.00	186.93	186.93	100.00
08/04/2024	0.00	0.00	0.00	0.00	0.00	0.00	91.97	91.97	99.76	99.76	0.00	0.00	191.72	191.73	100.00
09/04/2024	0.00	0.00	0.00	0.00	0.00	0.00	93.11	93.11	98.90	98.90	0.00	0.00	192.01	192.01	100.00
10/04/2024	0.00	0.00	0.00	0.00	0.00	0.00	92.33	92.33	96.94	96.94	0.00	0.00	189.26	189.27	100.00
11/04/2024	43.10	43.10	0.00	0.00	0.16	0.19	53.69	53.75	96.96	96.96	0.00	0.00	193.91	194.00	99.95
12/04/2024	97.05	97.05	0.00	0.00	0.00	0.00	0.00	0.00	95.35	95.35	0.00	0.00	192.40	192.40	100.00
13/04/2024	94.11	94.11	0.00	0.00	0.00	0.00	0.00	0.00	92.90	92.90	0.00	0.00	187.01	187.01	100.00
14/04/2024	94.06	94.06	0.00	0.00	0.00	0.00	0.00	0.00	92.98	92.98	0.00	0.00	187.04	187.04	100.00
15/04/2024	94.07	94.07	0.00	0.00	0.00	0.00	0.00	0.00	92.91	92.91	0.00	0.00	186.98	186.98	100.00
16/04/2024	93.94	93.94	0.00	0.00	0.00	0.00	0.24	0.27	92.68	92.68	0.09	0.12	186.95	187.01	99.97
17/04/2024	94.16	94.16	0.00	0.00	0.00	0.00	0.00	0.00	92.85	92.85	0.00	0.00	187.01	187.01	100.00
18/04/2024	94.13	94.13	0.00	0.00	0.00	0.00	0.00	0.00	92.87	92.87	0.00	0.00	187.00	187.00	100.00
19/04/2024	92.30	92.30	0.00	0.00	0.00	0.00	0.00	0.00	94.60	94.60	0.00	0.00	186.90	186.90	100.00
20/04/2024	90.31	90.31	0.00	0.00	0.00	0.00	0.00	0.00	96.04	96.04	0.00	0.00	186.35	186.35	100.00
21/04/2024	89.05	89.05	0.00	0.00	0.00	0.00	0.00	0.00	94.93	94.93	0.00	0.00	183.98	183.98	100.00
22/04/2024	89.10	89.10	0.00	0.00	0.00	0.00	0.00	0.00	94.90	94.90	0.00	0.00	184.00	184.00	100.00
23/04/2024	91.58	91.66	0.00	0.00	0.00	0.00	0.00	0.00	93.83	93.83	0.00	0.00	185.41	185.49	99.96
24/04/2024	90.15	90.15	0.00	0.00	0.00	0.00	0.00	0.00	95.85	95.85	0.00	0.00	186.00	186.00	100.00
25/04/2024	90.11	90.11	0.00	0.00	0.00	0.00	0.00	0.00	95.90	95.90	0.00	0.00	186.01	186.01	100.00
26/04/2024	89.86	89.86	0.00	0.00	0.00	0.00	0.00	0.00	95.76	95.76	0.00	0.00	185.62	185.62	100.00
27/04/2024	91.26	91.26	0.00	0.00	0.00	0.00	0.00	0.00	97.03	97.03	0.00	0.00	188.29	188.29	100.00
28/04/2024	93.13	93.13	0.00	0.00	0.00	0.00	0.00	0.00	98.69	98.69	0.00	0.00	191.82	191.82	100.00
29/04/2024	93.11	93.11	0.00	0.00	0.00	0.00	0.00	0.00	98.79	98.79	0.00	0.00	191.90	191.90	100.00
30/04/2024	93.19	93.19	0.00	0.00	0.00	0.00	0.00	0.00	98.69	98.69	0.00	0.00	191.88	191.88	100.00
<b>Total [ML]:</b>	2050.42	2050.50	10.52	10.52	208.07	208.15	735.70	735.79	2648.89	2648.89	0.09	0.12	5653.68	5653.98	

**Water Volume [%]:**

To Dose per reactor	100.00 %	100.00 %	99.96 %	99.99 %	100.00 %	76.93 %
To Dose Total	99.99 %					

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

Submitted By (Print):  D. Merredew

Signature:  original signed by D. Merredew



**CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT  
 WATER SERVICES

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

WATER TREATMENT PLANT UV REPORT

Report Period: April 2024

Report Created: Wednesday, May 01, 2024

Date	Transmittance (%)				UVR_D100A [Log]		UVR_D200A [Log]		UVR_D300A [Log]		UVR_D400A [Log]		UVR_D500A [Log]		UVR_D600A [Log]	
	Branch 1		Branch 2		Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.	Avg.	Min.
	Avg.	Min.	Avg.	Min.												
01/04/2024	92.5	91.7	93.1	92.8	2.3	1.9	OL	OL	2.3	2.1	OL	OL	OL	OL	OL	OL
02/04/2024	92.5	91.5	93.1	92.9	2.4	2.2	OL	OL	2.4	2.2	OL	OL	OL	OL	OL	OL
03/04/2024	92.5	91.6	93.1	92.7	2.5	0.0	3.9	0.0	2.5	0.0	2.6	2.3	2.5	2.2	OL	OL
04/04/2024	92.5	91.6	93.1	92.9	OL	OL	OL	OL	OL	OL	2.4	2.3	2.4	2.3	OL	OL
05/04/2024	92.5	91.7	93.1	92.8	OL	OL	OL	OL	OL	OL	2.4	2.3	2.4	2.3	OL	OL
06/04/2024	92.6	91.8	93.2	93.0	OL	OL	OL	OL	OL	OL	2.4	2.3	2.4	2.3	OL	OL
07/04/2024	92.7	92.0	93.3	92.2	OL	OL	OL	OL	OL	OL	2.4	2.3	2.4	2.3	OL	OL
08/04/2024	92.8	92.2	93.5	93.1	OL	OL	OL	OL	OL	OL	2.4	2.2	2.5	2.2	OL	OL
09/04/2024	92.9	91.9	93.5	92.7	OL	OL	OL	OL	OL	OL	2.5	2.2	2.5	2.2	OL	OL
10/04/2024	92.9	91.6	93.6	93.4	OL	OL	OL	OL	OL	OL	2.4	2.2	2.4	2.1	OL	OL
11/04/2024	92.8	92.1	93.5	93.3	2.5	0.0	OL	OL	2.2	0.0	2.5	0.0	2.5	2.2	OL	OL
12/04/2024	92.8	92.0	93.5	93.0	2.4	2.2	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL
13/04/2024	92.9	92.1	93.7	93.4	2.4	2.2	OL	OL	OL	OL	OL	OL	2.4	2.3	OL	OL
14/04/2024	93.1	92.4	93.9	93.7	2.5	2.2	OL	OL	OL	OL	OL	OL	2.4	2.3	OL	OL
15/04/2024	93.3	92.6	94.1	93.8	2.4	2.2	OL	OL	OL	OL	OL	OL	2.4	2.3	OL	OL
16/04/2024	93.6	92.8	94.5	94.1	2.4	2.2	OL	OL	OL	OL	2.5	0.0	2.4	2.2	2.6	0.0
17/04/2024	93.9	93.1	94.9	94.4	2.4	2.2	OL	OL	OL	OL	OL	OL	2.4	2.3	OL	OL
18/04/2024	94.0	93.3	95.1	94.7	2.5	2.3	OL	OL	OL	OL	OL	OL	2.4	2.3	OL	OL
19/04/2024	94.0	93.1	94.9	94.4	2.5	2.0	OL	OL	OL	OL	OL	OL	2.4	2.3	OL	OL
20/04/2024	94.0	93.1	95.0	94.8	2.5	2.2	OL	OL	OL	OL	OL	OL	2.4	2.3	OL	OL
21/04/2024	94.0	93.2	95.1	94.8	2.5	2.2	OL	OL	OL	OL	OL	OL	2.4	2.3	OL	OL
22/04/2024	93.9	93.3	94.9	94.6	2.4	2.2	OL	OL	OL	OL	OL	OL	2.4	2.3	OL	OL
23/04/2024	93.8	93.2	94.7	94.1	2.4	1.8	OL	OL	OL	OL	OL	OL	2.4	2.1	OL	OL
24/04/2024	93.8	93.1	94.6	94.3	2.4	2.2	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL
25/04/2024	93.8	93.2	94.6	94.2	2.4	2.2	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL
26/04/2024	93.7	93.1	94.4	94.1	2.4	2.2	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL
27/04/2024	93.7	93.1	94.4	94.1	2.4	2.2	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL
28/04/2024	93.6	92.9	94.3	94.1	2.4	2.2	OL	OL	OL	OL	OL	OL	2.4	2.3	OL	OL
29/04/2024	93.6	93.0	94.3	94.0	2.4	2.2	OL	OL	OL	OL	OL	OL	2.4	2.3	OL	OL
30/04/2024	93.6	93.0	94.3	94.0	2.4	2.2	OL	OL	OL	OL	OL	OL	2.4	2.3	OL	OL

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

Submitted By (Print):    D. Merredew   

Signature:    original signed by D. Merredew