



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

July 3, 2024

RE: JUNE 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 June 2024.

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 4 on June 16, Filter 1 on June 21, and Filter 3 on June 29; the elevated turbidities occurred for less than 12 consecutive hours. 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

June 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
1/06/2024	2.63	0.02	0.06	0.03	0.08	0.03	0.09	0.06	0.11	0.01	0.05	0.03	0.07	0.05	0.09	0.07	0.13
2/06/2024	3.17	0.02	0.07	0.04	0.08	0.04	0.10	0.07	0.12	0.02	0.06	0.03	0.07	0.06	0.12	0.09	0.13
3/06/2024	3.71	0.01	0.06	0.05	0.08	0.03	0.10	0.06	0.12	0.03	0.04	0.03	0.07	0.07	0.13	0.08	0.13
4/06/2024	2.87	0.02	0.05	0.05	0.19	0.04	0.14	0.07	0.14	0.04	0.07	0.03	0.10	0.08	0.10	0.08	0.14
5/06/2024	2.12	0.01	0.06	0.06	0.12	0.05	0.12	0.09	0.13	0.05	0.09	0.03	0.05	0.09	0.15	0.08	0.12
6/06/2024	3.16	0.01	0.05	0.03	0.09	0.04	0.11	0.04	0.12	0.02	0.07	0.01	0.04	0.02	0.10	0.03	0.11
7/06/2024	2.72	0.02	0.07	0.02	0.04	0.05	0.10	0.04	0.08	0.01	0.03	0.00	0.02	0.01	0.03	0.00	0.05
8/06/2024	2.40	0.03	0.05	0.03	0.07	0.05	0.12	0.05	0.10	0.02	0.05	0.01	0.30	0.01	0.03	0.00	0.02
9/06/2024	1.83	0.03	0.06	0.03	0.07	0.06	0.14	0.05	0.10	0.02	0.05	0.01	0.05	0.01	0.02	0.01	0.04
10/06/2024	1.72	0.04	0.08	0.04	0.08	0.06	0.17	0.06	0.10	0.02	0.05	0.01	0.05	0.01	0.04	0.01	0.03
11/06/2024	1.85	0.04	0.08	0.04	0.08	0.07	0.13	0.05	0.10	0.04	0.08	0.01	0.04	0.02	0.05	0.00	0.03
12/06/2024	2.18	0.04	0.08	0.04	0.06	0.07	0.23	0.05	0.09	0.04	0.08	0.02	0.05	0.03	0.07	0.01	0.03
13/06/2024	2.06	0.04	0.09	0.05	0.08	0.08	0.20	0.05	0.11	0.05	0.08	0.01	0.04	0.04	0.08	0.02	0.06
14/06/2024	1.31	0.05	0.09	0.05	0.10	0.09	0.18	0.05	0.10	0.04	0.09	0.01	0.04	0.06	0.07	0.01	0.05
15/06/2024	1.26	0.04	0.09	0.05	0.10	0.11	0.14	0.07	0.10	0.04	0.07	0.01	0.05	0.06	0.10	0.01	0.05
16/06/2024	1.33	0.04	0.09	0.06	0.11	0.12	0.26	0.07	0.31	0.04	0.08	0.01	0.04	0.07	0.12	0.01	0.05
17/06/2024	1.36	0.05	0.09	0.07	0.09	0.07	0.12	0.06	0.11	0.05	0.11	0.01	0.04	0.08	0.13	0.01	0.04
18/06/2024	1.37	0.06	0.08	0.08	0.13	0.06	0.14	0.06	0.12	0.08	0.11	0.01	0.05	0.09	0.15	0.02	0.06
19/06/2024	1.33	0.07	0.13	0.08	0.14	0.07	0.15	0.09	0.12	0.08	0.15	0.02	0.08	0.12	0.14	0.02	0.06
20/06/2024	1.36	0.07	0.12	0.09	0.14	0.10	0.14	0.09	0.15	0.09	0.13	0.02	0.04	0.11	0.17	0.02	0.10
21/06/2024	1.25	0.07	0.58	0.10	0.12	0.09	0.16	0.11	0.18	0.09	0.15	0.02	0.06	0.12	0.19	0.03	0.08
22/06/2024	1.09	0.06	0.09	0.10	0.26	0.09	0.16	0.07	0.14	0.11	0.14	0.02	0.06	0.13	0.22	0.03	0.07
23/06/2024	1.10	0.06	0.13	0.08	0.14	0.06	0.15	0.17	0.23	0.10	0.18	0.02	0.05	0.14	0.19	0.02	0.07
24/06/2024	1.13	0.05	0.12	0.09	0.16	0.10	0.30	0.05	0.25	0.10	0.18	0.01	0.04	0.09	0.24	0.02	0.06
25/06/2024	1.08	0.04	0.10	0.08	0.16	0.05	0.17	0.04	0.09	0.07	0.18	0.02	0.10	0.03	0.08	0.02	0.05
26/06/2024	1.10	0.02	0.05	0.07	0.11	0.04	0.12	0.04	0.11	0.04	0.07	0.02	0.06	0.04	0.08	0.01	0.06
27/06/2024	1.11	0.03	0.12	0.06	0.13	0.04	0.12	0.06	0.10	0.03	0.10	0.02	0.07	0.05	0.07	0.01	0.05
28/06/2024	1.12	0.02	0.07	0.06	0.13	0.05	0.10	0.08	0.15	0.04	0.21	0.03	0.12	0.10	0.13	0.01	0.10
29/06/2024	1.15	0.02	0.07	0.06	0.14	0.05	0.33	0.10	0.17	0.05	0.09	0.06	0.10	0.11	0.18	0.01	0.03
30/06/2024	1.16	0.02	0.08	0.08	0.12	0.06	0.13	0.13	0.24	0.06	0.10	0.06	0.11	0.14	0.22	0.01	0.06

Total Number of Measurements Taken, A:	13542	13503	13710	14422	14696	14500	14080	14700
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:	13541	13503	13709	14421	14696	14500	14080	14700
Compliance with Turbidity Standard, C = B/A X 100%:	99.993%	100.000%	99.993%	99.993%	100.000%	100.000%	100.000%	100.000%

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Turbidity\2024\06-June

Submitted By (Print): H.Buhler

Signature: Original Signed by H.Buhler



Water Treatment Plant Turbidity Grab Monitoring Report June 2024

Water System Code: 252.00		Turbidity (NTU)																	
Licence No. PWS-09-412-02 AA																			
Date	Raw Water		Filter 1		Filter 2		Filter 3		Filter 4		Filter 5		Filter 6		Filter 7		Filter 8		
	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	Grab	Analyser	
01-Jun-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
02-Jun-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
03-Jun-2024	1.26	3.53	0.11	0.02	0.12	0.06	0.12	0.08	0.10	0.07	0.10	0.03	0.15	0.06	0.13	0.06	0.12	0.10	
04-Jun-2024	1.05	4.38	0.11	0.02	0.14	0.09	0.12	0.03	0.11	0.08	0.11	0.05	0.10	0.03	0.10	0.08	0.13	0.11	
05-Jun-2024	1.18	1.93	0.13	0.04	0.09	0.07	0.13	0.06	0.11	0.10	0.11	0.07	0.10	0.04	0.11	0.10	0.10	0.08	
06-Jun-2024	1.27	1.61	0.08	0.02	0.08	0.07	0.11	0.06	0.10	0.10	0.08	0.06	0.09	0.04	0.11	<0.02	0.09	0.08	
07-Jun-2024	1.24	2.64	0.10	0.02	0.11	<0.02	0.17	0.08	0.10	0.04	0.10	<0.02	0.13	<0.02	0.10	<0.02	0.12	<0.02	
08-Jun-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
09-Jun-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
10-Jun-2024	1.17	1.96	0.15	0.06	0.10	0.03	0.15	0.07	0.13	0.06	0.12	0.04	0.10	0.02	0.10	<0.02	0.09	<0.02	
11-Jun-2024	1.05	1.92	0.15	0.07	0.11	0.05	0.14	0.08	0.12	0.07	0.09	0.05	0.10	0.02	0.13	0.04	0.10	<0.02	
12-Jun-2024	1.08	2.08	0.11	0.04	0.11	0.05	0.18	0.12	0.14	0.08	0.10	0.06	0.12	0.03	0.11	0.02	0.11	<0.02	
13-Jun-2024	1.10	2.57	0.11	0.05	0.11	0.06	0.11	0.07	0.10	0.05	0.09	0.06	0.12	0.03	0.10	0.03	0.13	0.04	
14-Jun-2024	1.02	1.26	0.12	0.06	0.14	0.08	0.12	0.09	0.11	0.06	0.11	0.08	0.09	<0.02	0.11	0.05	0.14	0.05	
15-Jun-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
16-Jun-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
17-Jun-2024	1.01	1.14	0.11	0.05	0.14	0.08	0.20	0.10	0.15	0.09	0.13	0.07	0.11	0.02	0.12	0.08	0.12	0.02	
18-Jun-2024	0.92	1.12	0.12	0.08	0.14	0.10	0.15	0.06	0.15	0.07	0.10	0.09	0.18	0.08	0.10	0.09	0.15	0.05	
19-Jun-2024	1.02	1.27	0.14	0.08	0.15	0.13	0.16	0.08	0.12	0.09	0.13	0.14	0.09	0.02	0.11	0.11	0.09	0.02	
20-Jun-2024	1.02	1.31	0.16	0.10	0.12	0.11	0.20	0.10	0.14	0.12	0.09	0.10	0.11	0.03	0.15	0.15	0.11	0.03	
21-Jun-2024	1.00	1.12	0.12	0.07	0.13	0.11	0.28	0.13	0.15	0.16	0.11	0.12	0.12	0.03	0.12	0.12	0.11	0.03	
22-Jun-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
23-Jun-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
24-Jun-2024	0.88	0.97	0.14	0.08	0.11	0.11	0.18	0.11	0.15	0.26	0.12	0.17	0.10	0.03	0.11	0.20	0.10	0.03	
25-Jun-2024	1.00	1.03	0.12	0.07	0.11	0.14	0.21	0.14	0.15	0.09	0.09	0.15	0.10	0.04	0.12	0.04	0.10	0.04	
26-Jun-2024	0.93	1.02	0.12	0.04	0.13	0.08	0.21	0.10	0.12	0.05	0.09	0.06	0.12	0.04	0.10	0.03	0.12	0.03	
27-Jun-2024	1.12	1.09	0.14	0.06	0.14	0.09	0.18	0.06	0.13	0.07	0.11	0.08	0.09	0.03	0.10	0.06	0.15	0.04	
28-Jun-2024	1.03	1.07	0.16	0.12	0.10	0.08	0.17	0.06	0.12	0.11	0.12	0.09	0.10	0.05	0.11	0.10	0.09	0.02	
29-Jun-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
30-Jun-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	
Total number of measurements taken, A:			20		20		20		20		20		20		20		20		
Turbidity Standard for Monitoring Location (NTU):			0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30		
Number of measurements meeting standard, B:			20		20		20		20		20		20		20		20		
Compliance with Turbidity Standard, C= B/A X 100%:			100%		100%		100%		100%		100%		100%		100%		100%		

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

Comments:

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

Report Date: July 3, 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 July 2024**

Report Period: June 2024

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/06/2024	1.51	1.45	1.47	1.41
02/06/2024	1.49	1.39	1.44	1.34
03/06/2024	1.37	1.30	1.34	1.19
04/06/2024	1.30	1.14	1.30	0.96
05/06/2024	1.25	1.20	1.27	1.20
06/06/2024	1.28	1.19	1.36	1.27
07/06/2024	1.37	1.31	1.50	1.42
08/06/2024	1.41	1.38	1.49	1.38
09/06/2024	1.41	1.34	1.42	1.31
10/06/2024	1.34	1.22	1.33	1.28
11/06/2024	1.31	1.24	1.31	1.23
12/06/2024	1.38	1.27	1.39	1.28
13/06/2024	1.31	1.26	1.34	1.29
14/06/2024	1.37	1.30	1.43	1.33
15/06/2024	1.43	1.39	1.52	1.46
16/06/2024	1.45	1.38	1.53	1.45
17/06/2024	1.47	1.41	1.51	1.27
18/06/2024	1.40	1.31	1.48	1.38
19/06/2024	1.30	1.16	1.45	1.28
20/06/2024	1.29	1.12	1.40	1.28
21/06/2024	1.42	1.32	1.50	1.39
22/06/2024	1.43	1.37	1.51	1.45
23/06/2024	1.45	1.33	1.52	1.39
24/06/2024	1.38	1.29	1.48	1.40
25/06/2024	1.37	1.16	1.50	1.40
26/06/2024	1.41	1.15	1.50	1.38
27/06/2024	1.53	1.42	1.47	1.35
28/06/2024	1.55	1.45	1.50	1.43
29/06/2024	1.50	1.32	1.52	1.42
30/06/2024	1.44	1.29	1.51	1.37

Total Number of Measurements, A:	20888	20884
Minimum Free Chlorine Standard:	0.5	0.5
Number of Measurements Meeting Standard, B:	20888	20884
COMPLIANCE, C = B/A X 100%:	100.00	100.00

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Chlorine\2024\06-June

Submitted By (Print): H.Buhler

Signature: Original Signed by H.Buhler



Water Treatment Plant Chlorine Grab Monitoring Report June 2024

Water System Code: 252.00 Licence No. PWS-09-412-02 AA	Deacon Booster Pumping Station Branch 1			Deacon Booster Pumping Station Branch 2		
Date	Free Chlorine (mg/L)		Total Chlorine (mg/L)	Free Chlorine (mg/L)		Total Chlorine (mg/L)
	Analyser	Grab	Grab	Analyser	Grab	Grab
01-Jun-2024	ns	ns	ns	ns	ns	ns
02-Jun-2024	ns	ns	ns	ns	ns	ns
03-Jun-2024	1.41	1.31	1.53	1.27	1.23	1.47
04-Jun-2024	1.38	1.35	1.57	1.38	1.35	1.58
05-Jun-2024	1.23	1.24	1.47	1.26	1.32	1.50
06-Jun-2024	1.32	1.38	1.65	1.38	1.44	1.67
07-Jun-2024	1.32	1.35	1.56	1.44	1.39	1.57
08-Jun-2024	ns	ns	ns	ns	ns	ns
09-Jun-2024	ns	ns	ns	ns	ns	ns
10-Jun-2024	1.31	1.39	1.63	1.29	1.35	1.58
11-Jun-2024	1.31	1.33	1.54	1.27	1.27	1.56
12-Jun-2024	1.40	1.40	1.64	1.40	1.46	1.65
13-Jun-2024	1.30	1.31	1.52	1.31	1.32	1.54
14-Jun-2024	1.38	1.41	1.60	1.44	1.47	1.65
15-Jun-2024	ns	ns	ns	ns	ns	ns
16-Jun-2024	ns	ns	ns	ns	ns	ns
17-Jun-2024	1.46	1.50	1.71	1.49	1.54	1.73
18-Jun-2024	1.35	1.36	1.56	1.42	1.42	1.62
19-Jun-2024	1.29	1.33	1.56	1.48	1.47	1.68
20-Jun-2024	1.26	1.29	1.44	1.36	1.41	1.61
21-Jun-2024	1.45	1.41	1.65	1.52	1.50	1.75
22-Jun-2024	ns	ns	ns	ns	ns	ns
23-Jun-2024	ns	ns	ns	ns	ns	ns
24-Jun-2024	1.45	1.36	1.60	1.56	1.50	1.70
25-Jun-2024	1.44	1.45	1.63	1.48	1.61	1.74
26-Jun-2024	1.23	1.24	1.43	1.49	1.55	1.71
27-Jun-2024	1.53	1.38	1.65	1.47	1.47	1.64
28-Jun-2024	1.63	1.45	1.77	1.51	1.55	1.73
29-Jun-2024	ns	ns	ns	ns	ns	ns
30-Jun-2024	ns	ns	ns	ns	ns	ns
Total number of measurements taken, A:			20			20
Chlorine Standard for Monitoring Location (mg/L):			0.50			0.50
Number of measurements meeting standard, B:			20			20
Compliance with Chlorine Standard, C= B/A X 100%:			100%			100%

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

Comments:

Report Date: July 3, 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: **June 2024**

Report Created: **Tuesday, July 02, 2024**

Date	UVR-D100A		UVR-D200A		UVR-D300A		UVR-D400A		UVR-D500A		UVR-D600A		Total		% Volume Treated To Dose
	Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		Water Volume [ML]		
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
01/06/2024	98.28	98.28	0.00	0.00	0.00	0.00	103.75	103.75	0.00	0.00	0.00	0.00	202.02	202.02	100.00
02/06/2024	98.14	98.14	0.00	0.00	0.00	0.00	103.62	103.62	0.00	0.00	0.00	0.00	201.75	201.75	100.00
03/06/2024	97.19	97.19	0.00	0.00	71.28	71.28	33.99	33.99	0.00	0.00	0.00	0.00	202.45	202.45	100.00
04/06/2024	100.77	100.77	0.00	0.00	104.49	104.49	0.00	0.00	0.47	0.47	0.00	0.00	205.73	205.73	100.00
05/06/2024	105.31	105.31	0.00	0.00	107.47	107.47	0.00	0.00	0.00	0.00	0.00	0.00	212.78	212.78	100.00
06/06/2024	33.70	33.70	0.00	0.00	72.36	72.36	0.00	0.00	47.88	47.88	0.00	0.00	153.94	153.94	100.00
07/06/2024	0.00	0.00	0.00	0.00	91.91	91.91	0.00	0.00	120.10	120.10	0.00	0.00	212.01	212.01	100.00
08/06/2024	0.00	0.00	0.00	0.00	89.67	89.67	0.00	0.00	117.47	117.47	0.00	0.00	207.14	207.14	100.00
09/06/2024	0.00	0.00	0.00	0.00	85.44	85.44	0.00	0.00	111.54	111.54	0.00	0.00	196.98	196.98	100.00
10/06/2024	0.00	0.00	0.00	0.00	85.11	85.11	0.31	0.36	111.51	111.51	0.00	0.00	196.93	196.99	99.97
11/06/2024	0.00	0.00	0.00	0.00	87.44	87.44	0.00	0.00	114.54	114.54	0.00	0.00	201.98	201.98	100.00
12/06/2024	0.00	0.00	0.00	0.00	87.18	87.18	0.00	0.00	114.72	114.72	0.00	0.00	201.90	201.90	100.00
13/06/2024	0.00	0.00	0.00	0.00	87.92	87.92	0.00	0.00	116.81	116.81	0.00	0.00	204.72	204.72	100.00
14/06/2024	0.00	0.00	0.00	0.00	89.75	89.75	0.00	0.00	118.67	118.67	0.00	0.00	208.43	208.43	100.00
15/06/2024	0.00	0.00	0.00	0.00	90.46	90.46	0.00	0.00	119.53	119.53	0.00	0.00	209.99	209.99	100.00
16/06/2024	0.00	0.00	0.00	0.00	90.39	90.39	0.00	0.00	119.61	119.61	0.00	0.00	210.00	210.00	100.00
17/06/2024	0.00	0.00	0.00	0.00	90.00	90.00	0.00	0.00	62.81	62.81	57.21	57.21	210.03	210.03	100.00
18/06/2024	0.00	0.00	0.00	0.00	87.77	87.77	0.00	0.00	0.00	0.00	118.65	118.65	206.41	206.41	100.00
19/06/2024	0.00	0.00	0.00	0.00	85.30	85.30	0.00	0.00	0.00	0.00	115.26	115.26	200.56	200.56	100.00
20/06/2024	0.00	0.00	0.00	0.00	90.86	90.86	0.00	0.00	0.00	0.00	108.95	108.95	199.81	199.81	100.00
21/06/2024	0.00	0.00	0.00	0.00	103.10	103.10	0.00	0.00	0.00	0.00	96.91	96.91	200.00	200.00	100.00
22/06/2024	0.00	0.00	0.00	0.00	103.10	103.10	0.00	0.00	0.00	0.00	96.90	96.90	200.00	200.00	100.00
23/06/2024	0.00	0.00	0.00	0.00	102.96	102.96	0.00	0.00	0.00	0.00	97.09	97.09	200.05	200.05	100.00
24/06/2024	0.00	0.00	0.00	0.00	102.89	102.89	0.00	0.00	0.00	0.00	97.08	97.08	199.97	199.97	100.00
25/06/2024	0.00	0.00	0.00	0.00	65.51	65.51	40.26	40.26	0.00	0.00	96.99	96.99	202.76	202.76	100.00
26/06/2024	0.00	0.00	63.55	63.55	0.99	0.99	43.88	43.88	0.00	0.00	91.82	91.82	200.24	200.24	100.00
27/06/2024	0.00	0.00	107.85	107.85	0.00	0.00	0.00	0.00	0.00	0.00	91.97	91.97	199.82	199.82	100.00
28/06/2024	0.00	0.00	110.77	110.77	0.00	0.00	0.00	0.00	0.00	0.00	94.72	94.72	205.50	205.50	100.00
29/06/2024	0.00	0.00	109.93	109.93	0.00	0.00	0.00	0.00	0.00	0.00	95.06	95.06	205.00	205.00	100.00
30/06/2024	0.00	0.00	109.71	109.71	0.00	0.00	0.00	0.00	0.00	0.00	95.29	95.29	205.00	205.00	100.00
Total [ML]:	533.39	533.39	501.82	501.82	2073.34	2073.34	325.81	325.86	1275.67	1275.67	1353.92	1353.92	6063.94	6063.99	

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

Notes: 1. Target Log value: 2.00

Submitted By (Print): H.Buhler

Signature: Original Signed by H.Buhler



CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 WATER SERVICES

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

WATER TREATMENT PLANT UV REPORT

Report Period: June 2024

Report Created: Tuesday, July 02, 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.												
01/06/2024	96.5	94.6	95.6	95.4	2.5	2.2	OL	OL	OL	OL	2.7	2.3	OL	OL	OL	OL
02/06/2024	96.4	95.6	95.5	95.2	2.5	2.2	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL
03/06/2024	96.5	95.3	95.5	95.2	2.5	2.2	OL	OL	OL	OL	2.6	0.0	OL	OL	OL	OL
04/06/2024	96.5	95.7	95.5	95.1	2.5	2.0	OL	OL	OL	OL	3.1	2.4	OL	OL	OL	OL
05/06/2024	96.0	94.4	95.0	93.7	2.5	2.2	OL	OL	OL	OL	2.9	2.3	OL	OL	OL	OL
06/06/2024	95.0	94.2	93.9	93.4	2.5	0.0	OL	OL	OL	OL	2.6	0.0	OL	OL	OL	OL
07/06/2024	96.6	96.0	95.5	95.1	OL	OL	OL	OL	OL	OL	3.4	2.8	OL	OL	OL	OL
08/06/2024	96.5	95.9	95.4	95.3	OL	OL	OL	OL	OL	OL	3.0	2.6	OL	OL	OL	OL
09/06/2024	96.4	95.9	95.4	95.1	OL	OL	OL	OL	OL	OL	3.0	2.6	OL	OL	OL	OL
10/06/2024	96.4	95.7	95.4	95.0	OL	OL	OL	OL	OL	OL	2.9	2.6	OL	OL	OL	OL
11/06/2024	96.4	95.4	95.4	94.7	OL	OL	OL	OL	OL	OL	2.7	2.4	OL	OL	OL	OL
12/06/2024	96.5	95.9	95.5	95.2	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL
13/06/2024	96.6	96.0	95.6	95.3	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL
14/06/2024	96.5	96.0	95.5	95.0	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL
15/06/2024	96.5	95.9	95.5	95.2	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL
16/06/2024	96.4	95.8	95.4	95.2	OL	OL	OL	OL	OL	OL	2.4	2.3	OL	OL	OL	OL
17/06/2024	96.5	95.9	95.5	95.3	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL
18/06/2024	96.5	95.9	95.4	95.0	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL
19/06/2024	96.6	96.0	95.4	95.2	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL	OL	OL
20/06/2024	96.5	95.9	95.4	94.9	OL	OL	OL	OL	OL	OL	2.5	1.8	OL	OL	OL	OL
21/06/2024	96.5	95.9	95.3	95.0	OL	OL	OL	OL	OL	OL	2.5	1.8	OL	OL	OL	OL
22/06/2024	96.5	95.9	95.4	95.2	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL	OL	OL
23/06/2024	96.6	96.0	95.5	95.3	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL
24/06/2024	96.6	96.0	95.5	95.2	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL
25/06/2024	96.5	95.9	95.3	95.0	OL	OL	OL	OL	OL	OL	2.4	0.0	OL	OL	OL	OL
26/06/2024	96.5	95.5	95.4	94.9	OL	OL	OL	OL	OL	OL	2.5	2.1	OL	OL	OL	OL
27/06/2024	96.3	95.8	95.3	95.0	OL	OL	OL	OL	OL	OL	2.5	2.1	OL	OL	OL	OL
28/06/2024	96.3	95.5	95.3	94.6	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL
29/06/2024	96.5	95.0	95.5	95.0	OL	OL	OL	OL	OL	OL	2.5	2.3	OL	OL	OL	OL
30/06/2024	96.6	95.8	95.5	95.0	OL	OL	OL	OL	OL	OL	2.5	1.9	OL	OL	OL	OL

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

Submitted By (Print): H.Buhler

Signature: Original Signed by H.Buhler