



Water and Waste Eaux et déchets

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

November 7, 2024

RE: OCTOBER 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 October 2024.

The on-line and grab sampling turbidity reports include results obtained for the Water Treatment Plant raw water and the eight filters. Filter 2 was taken offline for maintenance on October 7th and was offline for the remainder of the month. The maximum turbidity was greater than 0.30 NTU for Filter 4 on October 28 and Filter 5 on October 7; the elevated turbidities occurred for less than 12 consecutive hours. On October 3 the turbidity on Filter 2 exceeded 1.00 NTU and on October 31 the turbidity on Filter 6 also exceeded 1.00 NTU, additional information for the exceedances is provided separately in a Corrective Action Report. 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)
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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

October 2024 Turbidity (NTU)

Date	Raw		Filter #1		Filter #2		Filter #3		Filter #4		Filter #5		Filter #6		Filter #7		Filter #8	
	Avg	Avg	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max
1/10/2024	3.32	0.10	0.14		0.08	0.13	0.01	0.04	0.04	0.08	0.07	0.11	0.07	0.08	0.02	0.04	0.01	0.02
2/10/2024	3.39	0.10	0.14		0.11	0.12	0.01	0.05	0.04	0.07	0.08	0.11	0.06	0.13	0.02	0.05	0.01	0.03
3/10/2024	3.87	0.15	0.17		0.12	2.05	0.01	0.05	0.05	0.06	0.10	0.13	0.07	0.12	0.03	0.06	0.02	0.04
4/10/2024	3.85	0.10	0.19		0.12	0.20	0.01	0.05	0.02	0.07	0.10	0.14	0.06	0.11	0.03	0.12	0.05	0.15
5/10/2024	3.81	0.09	0.13		0.10	0.15	0.01	0.04	0.01	0.05	0.10	0.15	0.03	0.06	0.02	0.05	0.11	0.12
6/10/2024	3.86	0.11	0.13		0.10	0.14	0.00	0.03	0.01	0.05	0.13	0.15	0.03	0.07	0.02	0.04	0.10	0.15
7/10/2024	3.54	0.09	0.13		0.13	0.13	0.00	0.02	0.00	0.03	0.12	0.55	0.03	0.07	0.02	0.05	0.10	0.14
8/10/2024	3.69	0.09	0.14	OL	OL	0.02	0.07	0.01	0.05	0.11	0.18	0.04	0.06	0.03	0.05	0.09	0.14	
9/10/2024	3.73	0.08	0.13	OL	OL	0.05	0.09	0.03	0.05	0.11	0.20	0.03	0.06	0.03	0.04	0.10	0.13	
10/10/2024	3.41	0.09	0.13	OL	OL	0.05	0.08	0.03	0.06	0.11	0.15	0.04	0.05	0.03	0.05	0.10	0.13	
11/10/2024	3.25	0.10	0.14	OL	OL	0.05	0.10	0.03	0.06	0.12	0.16	0.04	0.08	0.03	0.06	0.11	0.13	
12/10/2024	3.11	0.11	0.15	OL	OL	0.04	0.09	0.03	0.06	0.14	0.17	0.04	0.08	0.04	0.06	0.11	0.13	
13/10/2024	3.18	0.12	0.14	OL	OL	0.05	0.10	0.03	0.05	0.14	0.21	0.04	0.08	0.04	0.07	0.10	0.16	
14/10/2024	3.10	0.12	0.15	OL	OL	0.04	0.07	0.02	0.05	0.14	0.18	0.05	0.08	0.05	0.07	0.11	0.15	
15/10/2024	2.85	0.12	0.16	OL	OL	0.04	0.07	0.02	0.04	0.14	0.20	0.05	0.08	0.06	0.10	0.11	0.15	
16/10/2024	2.98	0.12	0.17	OL	OL	0.05	0.07	0.03	0.05	0.13	0.18	0.06	0.08	0.06	0.11	0.11	0.14	
17/10/2024	2.91	0.10	0.16	OL	OL	0.05	0.08	0.03	0.06	0.12	0.19	0.06	0.09	0.08	0.09	0.11	0.14	
18/10/2024	3.03	0.13	0.28	OL	OL	0.06	0.09	0.03	0.06	0.13	0.18	0.07	0.10	0.08	0.11	0.10	0.14	
19/10/2024	2.80	0.13	0.16	OL	OL	0.06	0.10	0.04	0.07	0.15	0.20	0.07	0.12	0.09	0.12	0.11	0.15	
20/10/2024	2.69	0.13	0.17	OL	OL	0.07	0.13	0.05	0.09	0.16	0.20	0.07	0.11	0.10	0.13	0.11	0.14	
21/10/2024	2.65	0.13	0.17	OL	OL	0.08	0.13	0.06	0.11	0.13	0.19	0.07	0.12	0.10	0.14	0.12	0.14	
22/10/2024	2.74	0.14	0.18	OL	OL	0.09	0.14	0.08	0.12	0.15	0.21	0.08	0.18	0.12	0.16	0.11	0.14	
23/10/2024	2.89	0.14	0.19	OL	OL	0.08	0.14	0.06	0.11	0.14	0.22	0.07	0.13	0.07	0.16	0.10	0.14	
24/10/2024	2.88	0.13	0.17	OL	OL	0.05	0.10	0.04	0.10	0.14	0.17	0.06	0.09	0.02	0.04	0.09	0.12	
25/10/2024	2.90	0.13	0.18	OL	OL	0.05	0.11	0.04	0.08	0.11	0.17	0.06	0.10	0.02	0.05	0.09	0.12	
26/10/2024	2.96	0.14	0.19	OL	OL	0.06	0.10	0.05	0.09	0.14	0.19	0.07	0.09	0.03	0.05	0.07	0.13	
27/10/2024	3.02	0.13	0.19	OL	OL	0.07	0.10	0.06	0.12	0.12	0.17	0.07	0.11	0.03	0.05	0.09	0.13	
28/10/2024	2.92	0.14	0.18	OL	OL	0.06	0.11	0.07	0.45	0.12	0.19	0.07	0.11	0.04	0.05	0.09	0.12	
29/10/2024	2.90	0.15	0.21	OL	OL	0.07	0.14	0.09	0.14	0.13	0.18	0.09	0.12	0.04	0.06	0.10	0.13	
30/10/2024	2.97	0.13	0.20	OL	OL	0.07	0.14	0.06	0.13	0.09	0.21	0.07	0.13	0.08	0.14	0.07	0.13	
31/10/2024	2.89	0.11	0.19	OL	OL	0.06	0.12	0.01	0.05	0.02	0.05	0.04	1.35	0.12	0.16	0.04	0.07	

Total Number of Measurements Taken, A: 16993 3278 16335 16630 17145 17229 16333 15613
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: 16993 3277 16335 16629 17144 17226 16333 15613
Compliance with Turbidity Standard, C = B/A X 100%: 100.0000% 99.969% 100.0000% 99.994% 99.994% 99.983% 100.0000% 100.0000%

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Submitted By (Print): D. Merredew

Signature: original signed by D. Merredew



Water Treatment Plant Turbidity Grab Monitoring Report
October 2024

Water System Code: 252.00 Licence No. PWS-09-412-02 AA	Turbidity (NTU)																	
	Raw Water		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
01-Oct-2024	1.50	2.86	0.09	0.12	0.09	0.11	0.11	<0.02	0.10	0.07	0.09	0.10	0.09	0.07	0.09	<0.02	0.08	<0.02
02-Oct-2024	1.88	1.89	0.16	0.13	0.10	0.11	0.14	<0.02	0.09	0.06	0.10	0.10	0.14	0.08	0.10	0.02	0.12	0.03
03-Oct-2024	1.85	3.50	0.10	0.15	0.10	0.15	0.11	0.02	0.10	0.04	0.09	0.12	0.09	0.09	0.08	0.03	0.18	0.12
04-Oct-2024	1.80	4.00	0.11	0.18	0.10	0.15	0.12	0.02	0.10	0.05	0.09	0.14	0.11	0.10	0.09	0.03	0.09	0.03
05-Oct-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
06-Oct-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
07-Oct-2024	2.17	1.82	0.10	0.12	o/l	o/l	0.11	<0.02	0.13	<0.02	0.13	0.16	0.09	0.05	0.09	0.02	0.10	0.13
08-Oct-2024	2.16	3.75	0.11	0.12	o/l	o/l	0.11	<0.02	0.16	<0.02	0.10	0.20	0.11	0.05	0.09	0.02	0.14	0.12
09-Oct-2024	3.37	4.90	0.11	0.13	o/l	o/l	0.12	0.05	0.10	0.03	0.11	0.14	0.14	0.04	0.11	0.02	0.18	0.13
10-Oct-2024	2.02	1.81	0.09	0.11	o/l	o/l	0.12	0.06	0.11	0.05	0.12	0.15	0.08	0.05	0.09	0.03	0.09	0.12
11-Oct-2024	1.51	1.71	0.10	0.12	o/l	o/l	0.11	0.07	ns	ns	0.09	0.16	0.09	0.05	0.09	0.03	0.09	0.12
12-Oct-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
13-Oct-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
14-Oct-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
15-Oct-2024	1.66	1.41	0.12	0.14	o/l	o/l	0.10	0.06	0.09	0.03	0.12	0.19	0.10	0.07	0.09	0.05	0.17	0.17
16-Oct-2024	1.63	1.50	0.10	0.15	o/l	o/l	0.12	0.06	0.09	0.05	0.11	0.18	0.08	0.07	0.10	0.06	0.08	0.14
17-Oct-2024	1.47	1.45	0.12	0.13	o/l	o/l	0.11	0.05	0.10	0.04	0.09	0.17	0.10	0.08	0.09	0.08	0.09	0.13
18-Oct-2024	1.28	1.54	0.09	0.15	o/l	o/l	0.11	0.08	0.11	0.05	0.09	0.17	0.10	0.09	0.11	0.09	0.10	0.14
19-Oct-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
20-Oct-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
21-Oct-2024	1.54	1.52	0.10	0.15	o/l	o/l	0.11	0.08	0.10	0.06	0.09	0.19	0.10	0.10	0.13	0.15	0.09	0.14
22-Oct-2024	1.49	1.59	0.10	0.15	o/l	o/l	0.12	0.10	0.10	0.08	0.09	0.18	0.10	0.11	0.11	0.12	0.09	0.13
23-Oct-2024	1.41	1.47	0.09	0.17	o/l	o/l	0.10	0.11	0.09	0.09	0.10	0.21	0.09	0.12	0.10	0.14	0.10	0.14
24-Oct-2024	1.45	1.39	0.10	0.14	o/l	o/l	0.10	0.06	0.10	0.05	0.09	0.16	0.10	0.10	0.08	<0.02	0.09	0.11
25-Oct-2024	1.76	1.58	0.11	0.15	o/l	o/l	0.10	0.06	0.10	0.05	0.10	0.16	0.10	0.07	0.09	0.02	0.10	0.11
26-Oct-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
27-Oct-2024	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
28-Oct-2024	1.51	1.51	0.10	0.16	o/l	o/l	0.12	0.08	0.11	0.10	0.09	0.17	0.15	0.10	0.11	0.04	0.10	0.12
29-Oct-2024	1.50	1.44	0.11	0.17	o/l	o/l	0.12	0.08	0.10	0.10	0.10	0.17	0.09	0.11	0.09	0.03	0.10	0.11
30-Oct-2024	1.78	1.62	0.09	0.19	o/l	o/l	0.13	0.12	0.09	0.10	0.09	0.17	0.09	0.11	0.09	0.04	0.14	0.12
31-Oct-2024	1.62	1.48	0.10	0.13	o/l	o/l	0.09	0.07	0.09	<0.02	0.09	0.03	0.09	0.06	0.09	0.13	0.10	0.08
Total number of measurements taken, A:			22		4		22		21		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		4		22		21		22		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:

Report Date: November 7, 2024



City Of Winnipeg

Water and Waste Department
Water ServicesWATER 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 November 2024

Report Period: October 2024

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/10/2024	1.58	1.48	1.70	1.64
02/10/2024	1.56	1.50	1.64	1.56
03/10/2024	1.62	1.54	1.64	1.56
04/10/2024	1.64	1.48	1.65	1.50
05/10/2024	1.54	1.46	1.55	1.47
06/10/2024	1.53	1.16	1.51	1.17
07/10/2024	1.46	1.30	1.51	1.27
08/10/2024	1.48	1.26	1.48	1.35
09/10/2024	1.57	1.42	1.48	1.23
10/10/2024	1.53	1.45	1.59	1.53
11/10/2024	1.59	1.51	1.61	1.51
12/10/2024	1.66	1.59	1.49	1.39
13/10/2024	1.58	1.49	1.47	1.34
14/10/2024	1.66	1.56	1.62	1.51
15/10/2024	1.73	1.60	1.62	1.54
16/10/2024	1.64	1.51	1.54	1.46
17/10/2024	1.56	1.47	1.50	1.38
18/10/2024	1.50	1.35	1.47	1.33
19/10/2024	1.48	1.37	1.41	1.32
20/10/2024	1.41	1.34	1.34	1.26
21/10/2024	1.44	1.36	1.40	1.26
22/10/2024	1.46	1.39	1.54	1.40
23/10/2024	1.56	1.43	1.64	1.50
24/10/2024	1.66	1.11	1.70	1.31
25/10/2024	1.73	1.65	1.78	1.69
26/10/2024	1.63	1.53	1.65	1.53
27/10/2024	1.62	1.54	1.64	1.55
28/10/2024	1.58	1.44	1.66	0.79
29/10/2024	1.48	1.42	1.57	0.78
30/10/2024	1.52	1.21	1.81	1.53
31/10/2024	1.52	1.45	1.73	1.64

Total Number of Measurements, A: 21600 21600
Minimum Free Chlorine Standard: 0.5 0.5
Number of Measurements Meeting Standard, B: 21600 21600
COMPLIANCE, C = B/A X 100%: 100.00 100.00

File Path: N:\Water Treatment Branch\Administration\Reports\Regulatory Submissions\Chlorine\2024\10-October

Submitted By (Print): D. MerredewSignature: original signed by D. Merredew



Water Treatment Plant Chlorine Grab Monitoring Report
October 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-Oct-2024	1.52	1.49	1.83	1.64	1.65	1.82
02-Oct-2024	1.55	1.60	1.82	1.60	1.62	1.86
03-Oct-2024	1.64	1.50	1.87	1.66	1.63	1.87
04-Oct-2024	1.77	1.72	1.95	1.73	1.80	1.93
05-Oct-2024	ns	ns	ns	ns	ns	ns
06-Oct-2024	ns	ns	ns	ns	ns	ns
07-Oct-2024	1.53	1.57	1.82	1.54	1.57	1.85
08-Oct-2024	1.38	1.46	1.68	1.53	1.60	1.84
09-Oct-2024	1.58	1.64	1.92	1.39	1.46	1.66
10-Oct-2024	1.54	1.58	1.80	1.54	1.62	1.84
11-Oct-2024	1.54	1.62	1.78	1.57	1.55	1.85
12-Oct-2024	ns	ns	ns	ns	ns	ns
13-Oct-2024	ns	ns	ns	ns	ns	ns
14-Oct-2024	ns	ns	ns	ns	ns	ns
15-Oct-2024	1.73	1.84	2.02	1.64	1.71	1.88
16-Oct-2024	1.65	1.72	1.90	1.58	1.60	1.90
17-Oct-2024	1.55	1.70	1.85	1.50	1.60	1.78
18-Oct-2024	1.46	1.60	1.77	1.40	1.50	1.68
19-Oct-2024	ns	ns	ns	ns	ns	ns
20-Oct-2024	ns	ns	ns	ns	ns	ns
21-Oct-2024	1.44	1.53	1.70	1.27	1.41	1.64
22-Oct-2024	1.43	1.58	1.78	1.55	1.66	1.91
23-Oct-2024	1.63	1.66	1.91	1.53	1.61	1.77
24-Oct-2024	1.44	1.49	1.62	1.54	1.49	1.63
25-Oct-2024	1.69	1.61	1.91	1.77	1.79	1.95
26-Oct-2024	ns	ns	ns	ns	ns	ns
27-Oct-2024	ns	ns	ns	ns	ns	ns
28-Oct-2024	1.63	1.64	1.85	1.69	1.72	1.88
29-Oct-2024	1.44	1.59	1.81	1.59	1.73	1.91
30-Oct-2024	1.61	1.57	1.79	1.64	1.71	1.92
31-Oct-2024	1.52	1.57	1.82	1.76	1.74	1.88
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: November 7, 2024



Winnipeg

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: October 2024

Report Created: Friday, November 01, 2024

Date	UVR-D100A		UVR-D200A		UVR-D300A		UVR-D400A		UVR-D500A		UVR-D600A		Total		% Volume Treated To Dose
	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	To	Total	
01/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	87.94	87.94	34.60	34.61	70.67	70.67	193.21	193.22	99.99
02/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	86.13	86.13	101.69	101.69	0.00	0.00	187.82	187.82	100.00
03/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	88.63	88.63	102.67	102.67	0.00	0.00	191.31	191.31	100.00
04/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	89.56	89.56	103.46	103.46	0.00	0.00	193.02	193.02	100.00
05/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	89.59	89.59	103.41	103.41	0.00	0.00	193.00	193.00	100.00
06/10/2024	0.00	0.00	0.00	0.00	1.32	1.36	88.09	88.09	100.46	100.46	1.35	1.35	191.22	191.26	99.98
07/10/2024	0.00	0.00	0.00	0.00	49.59	49.59	48.31	48.31	44.63	44.63	50.22	50.22	192.76	192.76	100.00
08/10/2024	45.26	45.26	0.00	0.00	0.00	0.00	98.32	98.32	49.39	49.39	0.00	0.00	192.97	192.97	100.00
09/10/2024	56.45	56.45	0.00	0.00	41.46	41.46	51.23	51.55	43.09	43.09	0.19	0.20	192.41	192.75	99.83
10/10/2024	0.00	0.00	0.00	0.00	99.09	99.09	0.00	0.00	93.92	93.92	0.00	0.00	193.02	193.02	100.00
11/10/2024	0.00	0.00	0.00	0.00	99.29	99.29	0.00	0.00	93.75	93.75	0.00	0.00	193.04	193.04	100.00
12/10/2024	0.00	0.00	0.00	0.00	100.78	100.78	0.00	0.00	95.88	95.88	0.00	0.00	196.66	196.66	100.00
13/10/2024	21.14	21.14	0.00	0.00	102.11	102.11	0.00	0.00	76.71	76.71	0.00	0.00	199.96	199.96	100.00
14/10/2024	95.35	95.35	0.00	0.00	96.58	96.58	0.00	0.00	0.00	0.00	0.00	0.00	191.93	191.93	100.00
15/10/2024	94.34	94.34	0.00	0.00	95.60	95.60	0.00	0.00	0.00	0.00	0.00	0.00	189.94	189.94	100.00
16/10/2024	93.47	93.47	0.00	0.00	96.49	96.49	0.00	0.00	0.00	0.00	0.00	0.00	189.96	189.96	100.00
17/10/2024	90.54	90.54	0.00	0.00	99.44	99.44	0.00	0.00	0.00	0.00	0.00	0.00	189.98	189.98	100.00
18/10/2024	80.81	80.81	0.00	0.00	69.05	69.05	40.18	40.18	0.00	0.00	0.00	0.00	190.04	190.04	100.00
19/10/2024	86.02	86.02	0.00	0.00	82.93	82.93	20.79	20.79	0.00	0.00	0.00	0.00	189.74	189.74	100.00
20/10/2024	92.17	92.17	0.00	0.00	99.02	99.02	0.00	0.00	0.00	0.00	0.00	0.00	191.19	191.19	100.00
21/10/2024	95.46	95.46	0.00	0.00	50.00	50.00	49.55	49.55	0.00	0.00	0.00	0.00	195.02	195.02	100.00
22/10/2024	95.36	95.36	0.00	0.00	0.14	0.17	99.49	99.49	0.00	0.00	0.00	0.00	194.99	195.02	99.99
23/10/2024	30.76	30.76	0.00	0.00	0.00	0.00	99.76	99.76	60.55	60.55	0.00	0.00	191.07	191.07	100.00
24/10/2024	0.00	0.00	7.74	7.74	0.00	0.00	98.53	98.53	34.91	34.92	46.91	46.91	188.09	188.10	99.99
25/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	98.05	98.05	0.00	0.00	88.85	88.85	186.90	186.90	100.00
26/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	100.29	100.29	0.00	0.00	91.09	91.09	191.37	191.37	100.00
27/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	104.69	104.69	0.00	0.00	94.70	94.70	199.39	199.39	100.00
28/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	105.73	105.73	0.00	0.00	95.24	95.24	200.97	200.97	100.00
29/10/2024	0.00	0.04	0.00	0.00	0.00	0.00	104.60	104.60	0.00	0.00	94.08	94.08	198.68	198.72	99.98
30/10/2024	0.00	0.00	9.33	9.33	0.07	0.07	91.08	91.08	33.03	33.03	60.49	60.49	194.00	194.00	100.00
31/10/2024	0.00	0.00	0.00	0.00	0.00	0.00	98.30	98.30	89.26	89.26	0.00	0.00	187.55	187.55	100.00

Total [ML]: 977.14 977.18 17.07 17.07 1182.98 1183.05 1838.83 1839.14 1261.41 1261.44 693.78 693.79 5971.20 5971.67

Water Volume [%]:

To Dose per reactor

100.00 % 100.00 % 99.99 % 99.98 % 100.00 % 100.00 %

To Dose Total

99.99 %

Notes:

1. Target Log value: 2.00

Submitted By (Print): _D. Merredew_____

Signature: _original signed by D. Merredew_____

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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: October 2024

Report Created: Friday, November 01, 2024

Date	Transmittance (%)				UVR_D100A		UVR_D200A		UVR_D300A		UVR_D400A		UVR_D500A		UVR_D600A	
	Branch 1		Branch 2		Avg.	Min.										
01/10/2024	95.5	94.8	94.5	93.7	OL	OL	OL	OL	OL	OL	2.5	2.3	3.3	0.0	2.5	2.3
02/10/2024	95.5	95.0	94.5	93.2	OL	OL	OL	OL	OL	OL	2.5	2.2	2.5	2.2	OL	OL
03/10/2024	95.4	94.9	94.5	93.5	OL	OL	OL	OL	OL	OL	2.5	2.2	2.5	2.2	OL	OL
04/10/2024	95.5	94.9	94.6	90.8	OL	OL	OL	OL	OL	OL	2.5	2.2	2.5	2.0	OL	OL
05/10/2024	95.5	94.9	94.7	90.5	OL	OL	OL	OL	OL	OL	2.5	2.1	2.5	2.0	OL	OL
06/10/2024	95.6	94.7	94.8	93.1	OL	OL	OL	OL	2.7	0.0	2.5	1.3	2.5	1.6	3.7	2.8
07/10/2024	95.7	94.9	94.8	88.1	OL	OL	OL	OL	2.5	2.2	2.4	1.5	3.2	2.2	2.7	2.1
08/10/2024	95.7	95.0	94.9	92.6	3.1	2.3	OL	OL	OL	OL	2.4	2.0	2.5	2.3	OL	OL
09/10/2024	95.5	95.0	94.9	82.5	2.5	0.0	OL	OL	2.5	2.0	2.4	0.0	3.0	2.1	3.8	0.0
10/10/2024	95.6	95.0	94.8	87.9	OL	OL	OL	OL	2.5	1.8	OL	OL	2.5	1.8	OL	OL
11/10/2024	95.6	95.0	95.0	90.6	OL	OL	OL	OL	2.5	2.1	OL	OL	2.5	2.0	OL	OL
12/10/2024	95.5	95.0	95.5	92.8	OL	OL	OL	OL	2.5	2.1	OL	OL	3.6	0.0	OL	OL
13/10/2024	95.5	94.8	95.6	93.9	3.5	2.3	OL	OL	2.5	1.8	OL	OL	3.7	3.4	OL	OL
14/10/2024	95.6	95.0	95.9	93.5	2.5	2.3	OL	OL	2.5	2.2	OL	OL	OL	OL	OL	OL
15/10/2024	95.5	94.7	95.5	0.0	2.5	2.1	OL	OL	2.4	1.9	OL	OL	1.9	1.8	OL	OL
16/10/2024	95.5	94.8	95.0	93.2	2.4	2.2	OL	OL	2.4	2.1	OL	OL	OL	OL	OL	OL
17/10/2024	95.6	95.0	95.0	92.9	2.5	2.2	OL	OL	2.5	2.2	OL	OL	OL	OL	OL	OL
18/10/2024	95.5	95.0	94.8	91.3	2.5	2.2	OL	OL	2.5	2.1	3.4	0.0	OL	OL	OL	OL
19/10/2024	95.5	94.9	94.8	85.0	2.4	2.2	OL	OL	2.4	1.6	2.8	2.5	OL	OL	OL	OL
20/10/2024	94.8	93.2	94.8	92.2	2.5	2.2	OL	OL	2.3	2.1	OL	OL	OL	OL	OL	OL
21/10/2024	92.0	89.5	94.7	91.5	2.4	2.0	OL	OL	2.4	2.1	3.0	2.2	OL	OL	OL	OL
22/10/2024	95.1	89.3	94.5	90.3	2.4	2.0	OL	OL	3.6	0.0	2.5	2.0	OL	OL	OL	OL
23/10/2024	95.4	94.8	94.6	91.6	2.5	2.2	OL	OL	OL	OL	2.5	2.3	2.5	2.2	OL	OL
24/10/2024	95.1	94.5	94.3	93.0	0.0	0.0	2.4	1.3	OL	OL	2.5	1.9	2.5	0.0	3.6	3.2
25/10/2024	95.4	94.8	94.5	91.4	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL	2.9	2.3
26/10/2024	95.4	94.7	94.5	90.7	OL	OL	OL	OL	OL	OL	2.5	1.9	OL	OL	2.5	2.2
27/10/2024	95.4	94.6	94.5	91.4	OL	OL	OL	OL	OL	OL	2.5	2.2	OL	OL	2.5	2.3
28/10/2024	95.4	94.6	94.5	92.3	OL	OL	OL	OL	OL	OL	2.5	2.0	OL	OL	2.5	2.2
29/10/2024	95.4	94.6	94.4	89.2	0.0	0.0	OL	OL	4.2	0.0	2.5	2.1	OL	OL	2.5	2.0
30/10/2024	95.4	94.6	94.5	87.6	OL	OL	2.4	1.3	4.1	0.0	2.5	2.1	3.3	1.7	2.5	2.3
31/10/2024	95.4	94.6	94.5	90.4	OL	OL	OL	OL	OL	OL	2.5	2.3	2.5	2.0	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

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