



Water and Waste Department • Service des eaux et des déchets

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June 5, 2015

Our File: 040-18-18-55-00

Melanie Betsill  
Office of Drinking Water  
Manitoba Conservation and Water Stewardship  
1007 Century Street  
Winnipeg, Manitoba  
R3H 0W4

Dear Ms. Betsill:

**RE: MAY 2015 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 May 2015. We have also included one corrective action report for a positive total coliform in the distribution system.

The May on-line and grab sampling turbidity reports include results obtained for the Water Treatment Plant raw water and the eight filters. As mentioned in previous submissions, filter #8 was out of service for maintenance issues. We are pleased to report that the full inspection and overhaul of filter #8 was completed and the filter was brought back into service on May 8. Please note that the on-line turbidity report shows that there were turbidity exceedences above 0.3 NTU for filter #4 on May 14. These results were for a short period of time and did not exceed the normal operating turbidity for more than 12 consecutive hours.

The May 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 have met the licence requirements.

On May 6, a positive total coliform result was reported for a routine sample at the SW10 location. On May 7, the location was resampled and results were reported to be negative. Our resampling also indicated that the chlorine levels at the location were normal and provided adequate disinfection. Please see the attached corrective action report for additional details.

The UV submission includes the summary report for May 2015 in accordance with Section 4.13, Table 2 of the Operating Licence. The UV licence requirement has been met May.

Please let me know of any concerns or questions respecting this submission. I may be reached by telephone at 204-986-8359 or by e-mail at [rgrosselle@winnipeg.ca](mailto:rgrosselle@winnipeg.ca).

Thank you for your ongoing cooperation and understanding in this matter.

Yours sincerely,

R. Grosselle  
Manager of Environmental Standards  
Attachments

c:(e-mail)

Dr. L. Richards, Winnipeg Regional Health Authority  
Dr. H. Chang, Winnipeg Regional Health Authority  
Dr. S. Roberecki, Manitoba Health  
D.P. Sacher, P.Eng.  
G. Patton, P.Eng.  
T. Shanks, P.Eng.  
A. J. Weremy, P.Eng.  
C. Diduck

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

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

**WATER TREATMENT PLANT TURBIDITY ON-LINE MONITORING REPORT**

May 2015 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
1/05/2015	1.02	0.03	0.06	0.04	0.06	0.08	0.13	0.02	0.04	0.05	0.08	0.04	0.06	0.03	0.06	OL	OL
2/05/2015	1.07	0.03	0.07	0.05	0.06	0.08	0.13	0.02	0.04	0.06	0.07	0.04	0.07	0.03	0.05	OL	OL
3/05/2015	1.13	0.03	0.06	0.04	0.06	0.09	0.12	0.02	0.04	0.05	0.08	0.04	0.07	0.03	0.06	OL	OL
4/05/2015	1.05	0.03	0.08	0.04	0.06	0.07	0.11	0.01	0.03	0.05	0.07	0.04	0.06	0.02	0.05	OL	OL
5/05/2015	0.97	0.03	0.06	0.04	0.06	0.07	0.11	0.01	0.04	0.05	0.07	0.04	0.06	0.03	0.05	OL	OL
6/05/2015	0.97	0.03	0.05	0.04	0.07	0.08	0.14	0.01	0.04	0.05	0.08	0.04	0.17	0.03	0.04	OL	OL
7/05/2015	1.02	0.04	0.06	0.04	0.07	0.08	0.14	0.02	0.03	0.05	0.09	0.04	0.07	0.02	0.05	OL	OL
8/05/2015	1.13	0.03	0.06	0.04	0.06	0.06	0.12	0.02	0.04	0.06	0.07	0.04	0.07	0.02	0.05	0.00	0.04
9/05/2015	1.20	0.03	0.06	0.04	0.06	0.09	0.16	0.01	0.04	0.04	0.08	0.03	0.06	0.02	0.04	0.00	0.01
10/05/2015	1.11	0.03	0.06	0.03	0.07	0.08	0.13	0.01	0.04	0.05	0.09	0.04	0.07	0.03	0.04	0.00	0.01
11/05/2015	1.14	0.04	0.06	0.03	0.07	0.07	0.14	0.02	0.03	0.04	0.07	0.03	0.08	0.02	0.05	0.01	0.01
12/05/2015	1.12	0.03	0.06	0.04	0.05	0.09	0.17	0.02	0.04	0.05	0.09	0.03	0.08	0.02	0.05	0.00	0.01
13/05/2015	1.03	0.03	0.09	0.04	0.09	0.15	0.29	0.03	0.07	0.05	0.12	0.06	0.07	0.03	0.05	0.00	0.02
14/05/2015	1.07	0.08	0.20	0.06	0.13	0.14	0.27	0.07	0.62	0.06	0.11	0.05	0.11	0.04	0.09	0.01	0.01
15/05/2015	1.12	0.05	0.10	0.05	0.07	0.12	0.23	0.04	0.05	0.06	0.09	0.05	0.15	0.04	0.08	0.01	0.02
16/05/2015	0.99	0.04	0.09	0.06	0.10	0.08	0.14	0.03	0.08	0.06	0.10	0.05	0.07	0.03	0.08	0.01	0.03
17/05/2015	1.11	0.03	0.05	0.05	0.09	0.07	0.15	0.03	0.07	0.05	0.11	0.06	0.10	0.04	0.06	0.01	0.01
18/05/2015	1.14	0.03	0.05	0.04	0.07	0.05	0.11	0.02	0.04	0.05	0.07	0.04	0.07	0.03	0.06	0.01	0.01
19/05/2015	1.11	0.02	0.05	0.05	0.06	0.06	0.09	0.02	0.05	0.04	0.08	0.04	0.06	0.03	0.06	0.01	0.01
20/05/2015	1.09	0.03	0.04	0.04	0.07	0.06	0.14	0.02	0.04	0.05	0.08	0.04	0.07	0.03	0.07	0.01	0.01
21/05/2015	1.09	0.03	0.06	0.05	0.08	0.06	0.13	0.02	0.06	0.05	0.09	0.05	0.08	0.03	0.05	0.01	0.01
22/05/2015	1.01	0.03	0.06	0.04	0.09	0.06	0.14	0.02	0.06	0.05	0.06	0.04	0.09	0.03	0.07	0.01	0.01
23/05/2015	1.01	0.03	0.06	0.06	0.08	0.08	0.14	0.02	0.06	0.06	0.10	0.05	0.10	0.03	0.07	0.01	0.01
24/05/2015	1.09	0.03	0.07	0.05	0.09	0.09	0.22	0.02	0.06	0.05	0.09	0.05	0.06	0.03	0.07	0.01	0.02
25/05/2015	1.11	0.04	0.10	0.06	0.10	0.08	0.25	0.03	0.07	0.05	0.10	0.05	0.10	0.03	0.07	0.01	0.02
26/05/2015	1.13	0.03	0.06	0.05	0.09	0.08	0.26	0.02	0.06	0.05	0.10	0.05	0.10	0.03	0.04	0.01	0.02
27/05/2015	1.13	0.04	0.06	0.06	0.07	0.10	0.24	0.03	0.09	0.06	0.09	0.05	0.09	0.03	0.06	0.01	0.01
28/05/2015	1.14	0.03	0.11	0.06	0.09	0.08	0.10	0.02	0.08	0.05	0.09	0.05	0.07	0.03	0.18	0.01	0.03
29/05/2015	1.18	0.04	0.06	0.06	0.09	0.07	0.13	0.01	0.03	0.05	0.09	0.06	0.09	0.03	0.07	0.01	0.02
30/05/2015	1.23	0.05	0.08	0.05	0.10	0.06	0.12	0.02	0.06	0.06	0.08	0.05	0.14	0.03	0.05	0.01	0.02
31/05/2015	1.41	0.05	0.09	0.08	0.10	0.06	0.10	0.02	0.05	0.06	0.10	0.04	0.09	0.03	0.06	0.01	0.01

Total Number of Measurements Taken, A:	16470	16119	15821	13821	16653	16507	15425	11819
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:	16470	16119	15821	13818	16653	16507	15425	11819
Compliance with Turbidity Standard, C = B/A X 100%:	100.00%	100.00%	100.00%	99.98%	100.00%	100.00%	100.00%	100.00%

OL: Offline

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Submitted By (Print): D.Merredew

Signature: Original signed by D.Merredew



CITY OF WINNIPEG  
 WATER AND WASTE DEPARTMENT  
 ENVIRONMENTAL STANDARDS DIVISION

**WATER TREATMENT PLANT TURBIDITY GRAB MONITORING REPORT**

Water System Code: 252.00	Turbidity (NTU)								
Licence No. PWS-09-412 AA	Turbidity (NTU)								
Date	Raw Water	Filter 1	Filter 2	Filter 3	Filter 4	Filter 5	Filter 6	Filter 7	Filter 8
01-May-2014	0.79	0.15	0.07	0.09	0.07	0.06	0.08	0.12	O/L
02-May-2014	NS	NS	NS	NS	NS	NS	NS	NS	O/L
03-May-2014	NS	NS	NS	NS	NS	NS	NS	NS	O/L
04-May-2014	0.78	0.09	0.08	0.05	0.09	0.07	0.12	0.12	O/L
05-May-2014	0.72	0.06	0.07	0.07	0.08	0.07	0.07	0.07	O/L
06-May-2014	0.53	0.05	0.09	0.08	0.06	0.05	0.06	0.06	O/L
07-May-2014	0.72	0.06	0.05	0.06	0.06	0.07	<0.05	0.06	O/L
08-May-2014	0.80	0.09	0.08	0.08	0.09	0.08	0.06	0.10	0.06
09-May-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
10-May-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
11-May-2014	0.77	0.10	0.07	0.06	0.19	0.06	0.07	0.16	0.07
12-May-2014	1.04	0.06	0.05	0.05	0.06	0.06	0.07	0.08	0.09
13-May-2014	0.92	0.09	0.10	0.07	0.13	0.11	0.10	0.12	0.10
14-May-2014	0.90	0.16	0.13	0.13	0.14	0.08	0.11	0.10	0.07
15-May-2014	0.89	0.10	0.16	0.11	0.15	0.07	0.13	0.15	0.06
16-May-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
17-May-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
18-May-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
19-May-2014	0.84	0.05	0.07	0.16	0.07	0.05	0.09	0.10	0.11
20-May-2014	0.83	0.13	0.11	0.08	0.08	0.08	0.11	0.10	0.10
21-May-2014	0.98	0.07	0.05	0.14	0.08	0.08	0.06	0.07	0.07
22-May-2014	0.82	0.08	0.15	0.09	0.17	0.19	0.09	0.15	0.08
23-May-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
24-May-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
25-May-2014	0.81	0.06	0.07	0.11	0.08	<0.05	0.07	0.06	0.07
26-May-2014	0.94	0.11	0.13	0.14	0.13	0.06	0.20	0.13	0.05
27-May-2014	1.06	0.11	0.12	0.16	0.09	0.08	0.07	0.13	0.10
28-May-2014	1.00	0.05	0.08	0.09	0.07	0.14	0.09	0.18	0.15
29-May-2014	1.25	0.12	0.07	0.15	0.06	0.10	0.08	0.09	0.07
30-May-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
31-May-2014	NS	NS	NS	NS	NS	NS	NS	NS	NS
<b>Total number of measurements taken, A:</b>	20	20	20	20	20	20	20	20	15
<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>	20	20	20	20	20	20	20	20	15
<b>Compliance with Turbidity Standard, C= B/A X 100%:</b>	100%	100%	100%	100%	100%	100%	100%	100%	100%

NS: No Sample NA: Not Analyzed OL: Off-Line

**Comments:**

Effective May 8, 2015, filter 8 has been brought back on line.

Report Compiled By: H.Demchenko

Approved in LIMS By: C.Diduck

Date Approved: 4-Jun-15



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

Water System Code: **252.00**  
Licence Number: **PWS-09-412 AA**  
Report Created: 01 June 2015

Report Period: May 2015

Date	BRANCH 1 [mg/L]		BRANCH 2 [mg/L]	
	Average	Minimum	Average	Minimum
01/05/2015	0.95	0.86	0.91	0.85
02/05/2015	0.97	0.92	0.99	0.94
03/05/2015	1.10	0.93	1.03	0.94
04/05/2015	1.17	1.11	1.02	0.89
05/05/2015	1.11	1.00	1.02	0.94
06/05/2015	1.04	0.95	0.99	0.90
07/05/2015	1.04	0.95	0.97	0.92
08/05/2015	1.06	0.99	0.99	0.89
09/05/2015	1.05	0.87	1.00	0.79
10/05/2015	1.08	1.00	1.03	0.94
11/05/2015	1.07	0.97	1.06	0.92
12/05/2015	1.10	1.02	1.10	1.03
13/05/2015	1.14	0.99	1.16	1.01
14/05/2015	1.07	0.98	1.07	1.00
15/05/2015	1.08	0.89	1.08	0.95
16/05/2015	1.07	0.96	1.06	0.99
17/05/2015	1.11	1.03	1.07	0.99
18/05/2015	1.17	1.04	1.12	1.04
19/05/2015	1.17	1.11	1.16	1.10
20/05/2015	1.12	1.02	1.22	1.03
21/05/2015	1.11	1.01	1.11	0.99
22/05/2015	1.17	1.04	1.13	1.00
23/05/2015	1.13	1.00	1.11	1.00
24/05/2015	1.10	1.02	1.11	0.98
25/05/2015	1.08	0.99	1.13	1.02
26/05/2015	1.11	1.02	1.16	1.07
27/05/2015	1.08	0.97	1.13	1.00
28/05/2015	1.03	0.93	1.06	0.96
29/05/2015	1.06	0.98	1.07	0.99
30/05/2015	1.07	1.01	1.07	0.98
31/05/2015	1.07	0.95	1.08	1.01

Total Number of Measurements, A:	21595	21593
Minimum Free Chlorine Standard:	0.50	0.50
Number of Measurements Meeting Standard, B:	21595	21593

COMPLIANCE, C = B/A X 100%: 100 100

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Submitted By (Print): D.Merredew

Signature: Original signed by D.Merredew



CITY OF WINNIPEG  
 WATER AND WASTE DEPARTMENT  
 ENVIRONMENTAL STANDARDS DIVISION

**WATER TREATMENT PLANT CHLORINE GRAB MONITORING REPORT**

Water System Code: 252.00 Licence No. PWS-09-412 AA	Deacon Booster Pumping Station Branch 1		Deacon Booster Pumping Station Branch 2	
	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Free Chlorine (mg/L)	Total Chlorine (mg/L)
Date				
01-May-2015	1.07	1.26	1.00	1.17
02-May-2015	NS	NS	NS	NS
03-May-2015	NS	NS	NS	NS
04-May-2015	1.15	1.27	1.06	1.16
05-May-2015	1.12	1.27	1.08	1.22
06-May-2015	1.12	1.26	1.04	1.14
07-May-2015	1.10	1.25	1.06	1.18
08-May-2015	1.10	1.20	1.02	1.12
09-May-2015	NS	NS	NS	NS
10-May-2015	NS	NS	NS	NS
11-May-2015	1.11	1.24	1.12	1.23
12-May-2015	1.21	1.29	1.14	1.24
13-May-2015	1.27	1.36	1.27	1.40
14-May-2015	1.13	1.28	1.17	1.33
15-May-2015	1.13	1.28	1.24	1.32
16-May-2015	NS	NS	NS	NS
17-May-2015	NS	NS	NS	NS
18-May-2015	NS	NS	NS	NS
19-May-2015	1.19	1.33	1.25	1.38
20-May-2015	1.17	1.31	1.30	1.41
21-May-2015	1.11	1.22	1.15	1.28
22-May-2015	1.19	1.27	1.21	1.35
23-May-2015	NS	NS	NS	NS
24-May-2015	NS	NS	NS	NS
25-May-2015	1.13	1.27	1.19	1.38
26-May-2015	1.16	1.29	1.22	1.36
27-May-2015	1.16	1.30	1.24	1.34
28-May-2015	1.17	1.26	1.18	1.27
29-May-2015	1.14	1.23	1.13	1.25
30-May-2015	NS	NS	NS	NS
31-May-2015	NS	NS	NS	NS
<b>Total number of measurements taken, A:</b>	20		20	
<b>Chlorine Standard for Monitoring Location (mg/L):</b>	0.50		0.50	
<b>Number of measurements meeting standard, B:</b>	20		20	
<b>Compliance with Chlorine Standard, C= B/A X 100%:</b>	100%		100%	

NS: No Sample NA: Not Analyzed OL: Off-Line

Comments:

Report Compiled By: H.Demchenko

Approved in LIMS By: C.Diduck

Date Approved: 4-Jun-15



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

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

WATER TREATMENT PLANT UV REPORT

Report Period: May 2015

Report Created: Monday, June 01, 2015

Date	Transmittance %	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]				
		Untreated	Below	To	Total	Untreated	Below	To	Total	Untreated	Below	To	Total	Untreated	Below	To	Total	Untreated	Below	To	Total	Untreated	Below	To	Total	Untreated	Below	To	Total	
01/05/2015	94.24	0.00	0.00	64.88	64.88	0.00	0.00	0.00	0.00	0.00	0.00	50.97	50.97	0.00	0.00	0.00	0.00	0.00	0.00	45.51	45.51	0.00	0.00	34.54	34.54	0.00	0.00	195.90	195.90	100.00
02/05/2015	94.22	0.00	0.00	64.98	64.98	0.00	0.00	0.00	0.00	0.00	0.00	60.88	60.88	0.00	0.00	0.00	0.00	0.00	0.00	73.10	73.10	0.00	0.00	0.00	0.00	0.00	0.00	198.96	198.96	100.00
03/05/2015	94.29	0.00	0.00	55.75	55.75	0.00	0.00	18.20	18.20	0.00	0.07	55.21	55.28	0.00	0.74	0.14	0.88	0.00	0.00	46.87	46.87	0.00	0.00	21.81	21.81	0.00	0.80	197.99	198.80	99.60
04/05/2015	94.44	0.00	0.00	38.17	38.17	0.00	0.00	52.58	52.58	0.00	0.00	44.29	44.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.96	63.96	0.00	0.00	199.00	199.00	100.00
05/05/2015	94.31	0.00	0.00	42.89	42.89	0.00	0.00	43.48	43.48	0.00	0.00	47.12	47.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	65.45	65.50	0.00	0.05	198.93	198.98	99.97
06/05/2015	94.58	0.00	0.00	65.50	65.50	0.00	0.00	0.00	0.00	0.00	0.00	60.32	60.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	73.04	73.14	0.00	0.10	198.86	198.96	99.95
07/05/2015	94.83	0.00	0.00	66.09	66.09	0.00	0.00	0.00	0.00	0.00	0.00	59.35	59.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	73.37	73.52	0.00	0.15	198.81	198.96	99.92
08/05/2015	95.06	0.00	0.00	64.11	64.11	0.00	0.00	0.00	0.00	0.00	0.00	58.68	58.68	0.00	0.00	0.00	0.00	0.00	0.00	27.92	27.92	0.00	0.00	43.87	43.87	0.00	0.00	194.58	194.58	100.00
09/05/2015	94.47	0.00	0.00	62.92	62.92	0.00	0.00	0.00	0.00	0.00	0.00	60.54	60.54	0.00	0.00	0.00	0.00	0.00	0.09	63.27	63.36	0.00	0.00	0.00	0.00	0.00	0.09	186.73	186.82	99.95
10/05/2015	94.99	0.00	0.00	59.55	59.55	0.00	0.00	0.00	0.00	0.00	0.00	53.59	53.59	0.00	0.00	0.00	0.00	0.00	0.00	33.14	33.14	0.00	0.00	38.71	38.71	0.00	0.00	184.98	184.98	100.00
11/05/2015	94.95	0.00	0.00	59.60	59.60	0.00	0.00	0.00	0.00	0.02	0.02	20.85	20.89	0.00	0.00	36.57	36.57	0.00	0.05	44.64	44.69	0.00	0.05	20.47	20.51	0.02	0.12	182.13	182.27	99.92
12/05/2015	94.49	0.00	0.00	69.64	69.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	64.15	64.20	0.00	0.08	60.79	60.88	0.00	0.00	0.00	0.00	0.00	0.13	194.58	194.71	99.93
13/05/2015	94.43	0.00	0.00	70.66	70.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.48	67.48	0.00	0.12	59.56	59.69	0.00	0.00	0.13	0.13	0.00	0.12	197.83	197.96	99.94
14/05/2015	95.11	0.00	0.00	70.55	70.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.18	67.18	0.00	0.00	61.60	61.60	0.00	0.00	0.00	0.00	0.00	0.00	199.33	199.33	100.00
15/05/2015	95.31	0.00	0.00	67.97	67.97	0.00	0.61	15.66	16.26	0.00	0.00	0.00	0.00	0.01	0.10	45.77	45.88	0.00	0.00	56.51	56.51	0.00	0.00	5.49	5.49	0.01	0.70	191.40	192.11	99.63
16/05/2015	95.39	0.00	0.00	77.85	77.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.92	56.92	0.00	0.00	66.53	66.53	0.00	0.00	0.00	0.00	0.00	0.00	201.30	201.30	100.00
17/05/2015	95.46	0.00	0.00	77.98	77.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.12	57.12	0.00	0.00	66.91	66.91	0.00	0.00	0.00	0.00	0.00	0.00	202.00	202.00	100.00
18/05/2015	95.59	0.00	0.00	78.47	78.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.57	57.57	0.00	0.00	67.20	67.20	0.00	0.00	0.00	0.00	0.00	0.00	203.24	203.24	100.00
19/05/2015	95.58	0.00	0.00	77.26	77.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.67	56.67	0.00	0.00	66.06	66.06	0.00	0.00	0.00	0.00	0.00	0.00	199.99	199.99	100.00
20/05/2015	95.69	0.00	0.00	77.21	77.21	0.00	0.00	1.07	1.07	0.00	0.00	21.28	21.28	0.00	0.00	53.03	53.03	2.03	2.03	45.46	49.53	0.00	0.00	0.00	0.00	2.03	2.03	198.05	202.12	97.99
21/05/2015	95.94	0.00	0.00	74.80	74.80	0.00	0.00	0.00	0.00	0.00	0.00	28.80	28.80	0.00	0.00	37.76	37.76	0.00	0.00	60.63	60.63	0.00	0.00	0.00	0.00	0.00	0.00	201.99	201.99	100.00
22/05/2015	96.02	0.00	0.00	76.12	76.12	0.00	0.00	0.00	0.00	0.00	0.00	29.17	29.17	0.00	0.00	38.29	38.29	0.00	0.00	61.51	61.51	0.00	0.00	0.00	0.00	0.00	0.00	205.10	205.10	100.00
23/05/2015	96.04	0.00	0.00	77.27	77.27	0.00	0.00	0.00	0.00	0.00	0.00	29.59	29.59	0.00	0.00	38.81	38.81	0.00	0.00	62.14	62.14	0.00	0.00	0.00	0.00	0.00	0.00	207.81	207.81	100.00
24/05/2015	96.02	0.00	0.00	81.73	81.73	0.00	0.00	0.00	0.00	0.00	0.00	30.91	30.91	0.00	0.00	40.55	40.55	0.00	0.00	65.03	65.03	0.00	0.00	0.00	0.00	0.00	0.00	218.21	218.21	100.00
25/05/2015	96.02	0.00	0.00	86.14	86.14	0.00	0.00	0.00	0.00	0.00	0.00	32.58	32.58	0.00	0.00	42.60	42.60	0.00	0.00	66.44	66.44	0.00	0.00	0.00	0.00	0.00	0.00	227.76	227.76	100.00
26/05/2015	96.03	0.00	0.00	86.08	86.08	0.00	0.00	0.00	0.00	0.00	0.00	32.53	32.53	0.00	0.00	42.69	42.69	0.00	0.00	66.47	66.47	0.00	0.00	0.00	0.00	0.00	0.00	227.76	227.76	100.00
27/05/2015	96.04	0.00	0.00	80.55	80.55	0.25	0.25	0.00	0.51	0.00	0.00	25.07	25.07	0.00	0.19	47.82	48.01	8.25	8.25	39.03	55.53	0.00	0.00	26.24	26.24	8.50	8.69	218.71	235.90	92.71
28/05/2015	96.17	0.00	0.00	60.96	60.96	0.29	0.29	17.60	18.18	0.00	0.00	27.51	27.51	0.00	0.00	47.79	47.79	1.66	1.66	7.68	11.01	0.00	0.00	64.42	64.42	1.95	1.95	225.96	229.86	98.30
29/05/2015	96.15	0.00	0.00	58.25	58.25	0.00	0.00	0.00	0.00	0.00	0.00	34.52	34.52	0.00	0.00	57.68	57.68	0.00	0.00	0.00	0.00	0.00	0.00	66.20	66.20	0.00	0.00	216.65	216.65	100.00
30/05/2015	96.15	0.00	0.00	54.52	54.52	0.00	0.00	0.00	0.00	0.00	0.00	31.86	31.86	0.00	0.00	54.72	54.72	0.00	0.00	0.00	0.00	0.00	0.00	60.08	60.08	0.00	0.00	201.18	201.18	100.00
31/05/2015	96.16	0.00	0.00	54.08	54.08	0.00	0.00	0.00	0.00	0.00	0.00	31.28	31.28	0.00	0.00	54.21	54.21	0.00	0.00	0.00	0.00	0.00	0.00	58.39	58.39	0.00	0.00	197.97	197.97	100.00
		0.00	0.00	2102.52	2102.52	0.54	1.15	148.59	150.27	0.02	0.09	926.90	927.01	0.01	1.07	1065.51	1066.60	11.95	12.29	1313.99	1338.23	0.00	0.35	716.18	716.53	12.52	14.95	6273.68	6301.16	

Water Volume [%]:  
 Untreated: 0.20 %  
 Below Dose: 0.24 %  
 To Dose: 99.56 %

Submitted By (Print): D.Merredew

Signature: Original signed by D.Merredew



Water and Waste Department • Service des eaux et des déchets

Wednesday, June 24, 2015

**Our Incident/Report No: 04-2015**

**LIMS Reference No: 42445**

Ms. Melanie Betsill  
Drinking Water Officer  
Manitoba Water Stewardship, Office of Drinking Water  
1007 Century Street  
Winnipeg MB R3H 0W4

## **RE: CORRECTIVE ACTION REPORT**

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<b>WATER SYSTEM</b>	Winnipeg Public Water System
<b>WATER SYSTEM CODE</b>	252.00
<b>LOCATION OF NON-COMPLIANT INCIDENT</b>	<b>Winnipeg 3-Dist SW10</b>
<b>OPERATOR IN CHARGE</b>	NA
<b>INCIDENT REPORTED BY</b>	Courtney Diduck, Analytical Services Branch Head
<b>TYPE OF NON-COMPLIANT INCIDENT</b>	Low positive Total Coliform (<10 per100mL), 3 MR 41/2007
<b>INCIDENT DATE</b>	May 6, 2015
<b>DESCRIPTION OF CORRECTIVE ACTIONS</b>	AS SOON AS POSSIBLE: Re-sampled original location, also tested for turbidity, free/total chlorine, temperature and contacted the ODW.
<b>TEST RESULTS</b>	See Attached

### NOTES/COMMENTS:

1. All microbiological tests performed by contract laboratory.
2. UP/DOWN STREAM testing performed when EC is >0 /100mL, TC is >10 /100mL or when resample/consecutive sample is positive for EC or TC or as directed by the Manager of Environmental Standards Division and/or the Office of Drinking Water
3. INITIAL chlorine, turbidity and temperature only tested at the required 39 sample locations.
4. NR-No Result due to laboratory/analyst error.
5. NA-Not Analyzed.

**EMERGENCY REPORTING IS REQUIRED WHERE A POTENTIAL HEALTH RISK IS INVOLVED. FOLLOW THE INSTRUCTIONS OF YOUR DRINKING WATER OFFICER ON SITUATIONS REQUIRING IMMEDIATE REPORTING**

### **DISTRIBUTION**

FORWARD THE ORIGINAL TO THE DRINKING WATER OFFICER WITH THE MONTHLY COMPLIANCE SUBMISSIONS.

**Contact the Drinking Water Officer for any comments, questions or concerns**

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REFERENCE: ODW-RF-016

*Embrace the spirit • Vivez l'esprit*

Environmental Standards Division • Division des normes environnementales  
2230 Main Street. • 2230, rue Main • Winnipeg • Manitoba R2V 4T8  
fax/télec. (204) 339-2147 • www.winnipeg.ca



Sample Name	Sample Number	Date Sampled	bacColiEsch-QT (MPNU/100mL)	bacColiTotal-QT (MPNU/100mL)	bacHPC (cfu/mL)	Chlorine, Free (mg/L)	Chlorine, Total (mg/L)	Temperature (°C)	Turbidity (ntu)	Time Spled (hrs)
SW10	431370	06-May-15	<1	1	<1	0.59	0.85	13.0	0.41	14:46
SW10 Resample	431989	07-May-15	<1	<1	1	0.80	1.01	11.5	0.32	15:15