



Derek Clarke, Drinking Water Officer  
Office of Drinking Water, Manitoba Sustainable Development  
Box 6000  
Gimli, MB R0C 1B0

November 4, 2019

**RE: CORRECTIVE ACTION REPORT FOR WINNIPEG PUBLIC WATER SYSTEM, 252.00**

**Incident No:** CAR\_06-2019

**Reported to ODW:** July 13, 2019 and July 17, 2019

**Reported by:**

1. Louis Rivard, Superintendent Water Services and
2. Courtney Diduck, Analytical Services Branch Head

**Approved by:** Louis Rivard, Superintendent Water Services

**Incident Date:** July 11, 2019 and July 17, 2019

**Incident Location:** Winnipeg 3-Dist (WS Repair)

**Incident Type:**

1. Low Positive Total Coliform (<10 per100mL), 3 MR 41/2007
2. Low Disinfectant Residual in Distribution System (<0.1 mg/L free chlorine), 22(1) MR 40/2007

**Description of Corrective Actions:**

Water Services:

Immediately contacted the ODW and Environmental Standards, flushed the isolated area and re-sampled the original location and an upstream location as directed by the ODW. Tested the original location and the upstream location for bacteria, turbidity, and free chlorine until two consecutive negative bacteria results were obtained 24 hours apart.

Environmental Standards:

Immediately contacted the ODW and Water Services, sampled the residence for bacteria, turbidity, free/total chlorine, and temperature. Tested additional locations upstream and outside the isolated area for turbidity, free/total chlorine, and temperature. Performed follow up testing after the isolated area was flushed and returned to normal operation.

**Test Results:** See attached

**LIMS Reference No:** 224157



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

N:\Environmental Standards\Analytical Services\Government Agencies\Office of Drinking Water\Corrective Action Reports



Water and Waste Department • Service des eaux et des déchets

Sample Name	Sample Number	Work Order Number	Lab Number	Date Sampled	E Coli (MPNU/100mL)	Total Coliform (MPNU/100mL)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Turbidity-field (ntu)	Temperature (°C)	Time Sampled (hrs)
Hydrant_Water Main Repair	N/A	1908919	L2308862-1	11-Jul-19	<1	1	0.64	N/A	4.52	N/A	14:35
Hydrant_Water Main Repair Resample 1	N/A	1908919	L2309643-1	13-Jul-19	<1	<1	0.42	N/A	3.76	N/A	16:15
Hydrant_Water Main Repair Upstream 1	N/A	1908919	L2309643-2	13-Jul-19	<1	<1	0.66	N/A	3.89	N/A	16:45
Hydrant_Water Main Repair Resample 2	N/A	1908919	L2309576-1	14-Jul-19	<1	<1	0.24	N/A	3.72	N/A	15:00
Hydrant_Water Main Repair Upstream 2	N/A	1908919	L2309576-2	14-Jul-19	<1	<1	0.55	N/A	2.08	N/A	15:30
Hydrant_Water Main Repair Resample 3	N/A	1908919	L2310007-2	15-Jul-19	<1	<1	0.44	N/A	4.31	N/A	13:30
Hydrant_Water Main Repair Upstream 3	N/A	1908919	L2310007-1	15-Jul-19	<1	<1	0.32	N/A	1.00	N/A	13:02
Hydrant_Water Main Repair Resample 4	N/A	1908919	L2311034-2	16-Jul-19	<1	<1	0.34	N/A	3.26	N/A	15:15
Hydrant_Water Main Repair Upstream 4	N/A	1908919	L2311034-1	16-Jul-19	<1	<1	0.54	N/A	1.12	N/A	14:16
Residence in Distribution System	224157	N/A	L2311649-1	17-Jul-19	<1	<1	0.02	0.12	0.88	13.5	12:20
Residence in Distribution System Upstream	224294	N/A	N/A	17-Jul-19	N/A	N/A	0.22	0.37	0.51	13.7	12:41
Residence in Distribution System Outside Isolated Zone	224295	N/A	N/A	17-Jul-19	N/A	N/A	0.35	0.52	0.41	13.5	13:04
Residence in Distribution System Resample 1	224296	N/A	N/A	18-Jul-19	N/A	N/A	0.14	0.31	0.24	13.1	14:20

NOTES/COMMENTS:

1. All microbiological tests performed by contract laboratory.
2. N/R-No Result due to laboratory/analyst error.
3. N/A-Not Analyzed.