



Kale Black, Sr. Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
309 – 25 Tupper Street North
Portage La Prairie, MB R1N 3K1

March 7, 2023

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

Incident No: CAR-02-2023-ESD

Reported to ODW: March 2, 2023

Reported by: Courtney Diduck, Analytical Services Branch Head

Approved by: Courtney Diduck, Analytical Services Branch Head

Incident Date: February 27, 2023

Incident Location: Winnipeg 3-Dist (SE12)

Incident Type: Low Disinfectant Residual in Distribution System, 22(1) MR 40/2007

Description and Corrective Actions:

Environmental Standards:

Contacted the ODW and re-sampled original location for bacteria, turbidity, free/total chlorine, and temperature. An investigation into the cause of the incident included a site inspection by a Backflow Prevention Program Inspector, a review of work in the area by Water Services, and a review of the water quality at the location and immediate area. No definitive cause was determined. Possible causes include unprotected cross-connections in the internal plumbing system which will be addressed in the near future; inadequate flushing during sample collection; or increased water age related to valve manipulation in the system.

Test Results: See attached

Reference No: Job_1408

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



Sample Name	Sample 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)
SE12	553352	27-Feb-23	<1	<1	0.02	0.25	0.23	21.2	12:25
SE12_Resample 1	555153	2-Mar-23	<1	<1	0.58	0.86	0.24	19.2	15:47
SE12_Resample 1 (Duplicate)	555154	2-Mar-23	<1	<1	0.58	0.87	0.24	22.2	15:52
SE12_Resample 2	555155	3-Mar-23	N/A	N/A	1.00	1.20	0.22	12.1	13:59
SE12_Resample 2 (Duplicate)	555156	3-Mar-23	N/A	N/A	1.02	1.23	0.21	16.8	14:04

NOTES/COMMENTS:

1. All microbiological tests performed by contract laboratory.
2. OL - Autosampler or Process Offline
3. NA - Not Applicable