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
<table>
<thead>
<tr>
<th>Sample Name</th>
<th>Sample Number</th>
<th>Date Sampled</th>
<th>E Coli (MPNU/100mL)</th>
<th>Total Coliform (MPNU/100mL)</th>
<th>Free Chlorine (mg/L)</th>
<th>Total Chlorine (mg/L)</th>
<th>Turbidity-field (ntu)</th>
<th>Temperature (ºC)</th>
<th>Time Sampled (hrs)</th>
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**NOTES/COMMENTS:**
1. All microbiological tests performed by contract laboratory.
2. OL - Autosampler or Process Offline
3. NA - Not Applicable