



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

August 6, 2021

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

**Incident No:** CAR-08-2021-WMR

**Reported to ODW:** July 25, 2021

**Reported by:** Louis Rivard, Superintendent of Water Distribution

**Approved by:** Zeljko Bodiroga, Water Distribution Engineer

**Incident Date:** July 23, 2021

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

**Incident Type:**

1. High Positive Total Coliform (>10 per100mL), 3 MR 41/2007

**Description of Corrective Actions:**

Water Services:

IMMEDIATELY: Contacted the ODW and Environmental Standards, and flushed the isolated area. Re-sampled original location and tested additional samples upstream and downstream of original location for; bacteria, turbidity, and free chlorine.

Environmental Standards:

IMMEDIATELY: Re-sampled original location and tested additional samples upstream and downstream of the original location for; bacteria, turbidity, free/total chlorine, and temperature, when a re-sample tested positive for bacteria.

Other:

A localized notice to residents in the impacted area to boil water was issued on July 28, 2021, by the City of Winnipeg, in consultation with the Office of Drinking Water and the Medical Officer of Health. A potable water tank was deployed to the area, and the isolated area was set to run water to waste. The boil water advisory was subsequently rescinded on July 30, 2021, after two consecutive sets of re-samples taken 24 hours apart tested negative for bacteria.

**Test Results:** See attached



**Water and Waste  
Eaux et déchets**

**LIMS Reference No:** Job 764

**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) | HPC (CFU/100mL) | Free Chlorine (mg/L) | Total Chlorine (mg/L) | Turbidity-field (ntu) | Temperature (°C) | Time Sampled (hrs) |
|----------------------------------|---------------|--------------|---------------------|-----------------------------|-----------------|----------------------|-----------------------|-----------------------|------------------|--------------------|
| Hydrant                          | N/A           | 23-Jul-21    | 0                   | 14                          | N/A             | 0.86                 | N/A                   | 3.69                  | N/A              | 13:30              |
| Hydrant - Resample 1             | N/A           | 25-Jul-21    | 0                   | 0                           | N/A             | 0.97                 | N/A                   | 3.37                  | N/A              | 15:21              |
| Hydrant - Downstream 1           | N/A           | 25-Jul-21    | 0                   | 0                           | N/A             | 0.85                 | N/A                   | 4.01                  | N/A              | 15:07              |
| Hydrant - Upstream 1             | N/A           | 25-Jul-21    | 0                   | 0                           | N/A             | 0.95                 | N/A                   | 2.53                  | N/A              | 15:40              |
| Hydrant - Resample 2             | N/A           | 27-Jul-21    | 0                   | 0                           | N/A             | 0.60                 | N/A                   | 3.69                  | N/A              | 9:40               |
| Hydrant - Downstream 2           | N/A           | 27-Jul-21    | 0                   | 130                         | N/A             | 0.66                 | N/A                   | 3.01                  | N/A              | 9:55               |
| Hydrant - Upstream 2             | N/A           | 27-Jul-21    | 0                   | 0                           | N/A             | 0.80                 | N/A                   | 3.87                  | N/A              | 9:15               |
| Hydrant - Resample 3             | 412409        | 28-Jul-21    | 0                   | 0                           | 1               | 0.98                 | 1.14                  | 3.11                  | 17.3             | 16:47              |
| Hydrant - Upstream 3             | 412411        | 28-Jul-21    | 0                   | 0                           | <1              | 1.07                 | 1.31                  | 3.03                  | 17.5             | 16:59              |
| Hydrant - Downstream 3           | 412410        | 28-Jul-21    | 0                   | 0                           | 8               | 0.96                 | 1.12                  | 2.78                  | 17.3             | 16:31              |
| Hydrant - Downstream 3 Duplicate | 412412        | 28-Jul-21    | 0                   | 0                           | <1              | 0.96                 | 1.12                  | 2.78                  | 17.3             | 16:31              |
| Hydrant - Resample 4             | 412611        | 29-Jul-21    | 0                   | 0                           | 3               | 0.81                 | 1.02                  | 0.41                  | 16.0             | 15:35              |
| Hydrant - Upstream 4             | 412613        | 29-Jul-21    | 0                   | 0                           | 3               | 0.98                 | 1.24                  | 0.27                  | 16.8             | 15:48              |
| Hydrant - Downstream 4           | 412614        | 29-Jul-21    | 0                   | 0                           | 2               | 0.76                 | 0.98                  | 0.38                  | 15.3             | 15:21              |
| Hydrant - Downstream 4 Duplicate | 412612        | 29-Jul-21    | 0                   | 0                           | 1               | 0.76                 | 0.98                  | 0.39                  | 15.3             | 15:22              |

NOTES/COMMENTS:

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