



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

July 6, 2022

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

Incident No: CAR-02-2022

Reported to ODW: July 4, 2022

Reported by: Dan Merredew

Approved by: Dan Merredew, Water Treatment Plant Operations Supervisor

Incident Date: June 21, 2022 @ 8:57 am

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type:

Low Disinfectant Residual Entering Distribution System (<0.5 mg/L free chlorine), 22(1) MR 40/2007

Description of Incident and Corrective Actions:

Water Treatment Plant Operator: on June 21, 2022 there was a scheduled Water Treatment Plant (WTP) shut down for maintenance work from 8:22 am until 10:35 am. The Branch 1 free chlorine analyzer read below 0.5mg/L from 8:57 am until 10:08 am, reaching a minimum of 0.37mg/L. From 8:57 am until 9:05 am (8 minutes), there was slight flow recorded through both the Branch 1 & 2 flow meters, as the Operators were charging the surge towers at the WTP to ensure adequate water was available for the service water pumps in the WTP building. It is estimated that approximately 0.056ML of water was sent to the Branch 1 surge tower during the 8-minute period when the free chlorine residual was below 0.5mg/L. This issue was not noted by Operators at the time because the WTP was offline. As a result, no additional testing was conducted at the time of the incident.

Due to the relatively small volume of water and the fact that the water is further boosted with chlorine at the In-town pumping stations, this event will not have impacted water quality.

Test Results: n/a

LIMS Reference No: n/a

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

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