

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

January 7, 2025

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

Incident No: CAR-11-2024-WTP

Reported to ODW: December 21, 2024 @ 23:21

Reported by: Heather Buhler, Water Treatment Systems Engineer

Approved by: Heather Buhler, Water Treatment Systems Engineer

Incident Date: December 21, 2024

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type: Water Entering Distribution System Exceeds Turbidity Standard, 6(1) MR 41/2007

Description of Event and Corrective Actions:

On Saturday, December 21 Filter 5 experienced a turbidity spike above 1.0 NTU. The turbidity reached a maximum of 1.22 NTU at 21:51:12 and was above 1.0 NTU for 22 seconds. Filter 5 turbidity averaged 0.129 NTU over the 5-minute measurement interval. In accordance with ODW-OG-04 this measurement did not exceed the do-not-exceed level specific to the filtration process. The spike was a result of material sloughing from sample line and not a true indication of process turbidity. Neither water quality nor safety were impacted by this event. All other treatment barriers including UV and chlorination remained online without issue during this event.

Test Results:

Filter 5 analyzer readings: Pre-spike – 0.05 NTU, Post-Spike – 0.17 NTU

Post DAF readings: Train 1 – 0.57 NTU, Train 2 – 0.53 NTU

Other Filter analyzer readings during spike: Filter 1 - 0.10 NTU, Filter 2 - 0.06 NTU, Filter 3 - 0.06 NTU, Filter 4 - 0.10 NTU, Filter 6 - 0.02 NTU, Filter 7 – 0.04 NTU, Filter 8 – 0.01 NTU

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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