



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

June 6, 2024

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

Incident No: CAR-04-2024-WTP

Reported to ODW: May 25, 2024 @ 12:01

Reported by: Heather Buhler, Acting Water Treatment Systems Engineer

Approved by: Heather Buhler, Acting Water Treatment Systems Engineer

Incident Date: May 25, 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 May 25, 2024 Filter 4 experienced a turbidity spike above 1.0 NTU. The turbidity reached a maximum of 3.11 NTU at 8:58:47 and was above 1.0 NTU for 26 seconds. Another brief turbidity spike occurred at 9:23:15, reaching a maximum of 0.82 NTU, and was above 0.3 NTU for 25 seconds. At this point the filter was immediately put into backwash and a grab sample was collected. The sample line was cleaned and a clog was discovered in the sample line. The spike was due to material sloughing from the clogged 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. All other filter performance was normal during this time frame.

Test Results:

Filter 4 pre 1st spike @ 8:58 - analyzer 0.10 NTU

Filter 4 post 1st spike @ 8:59 - analyzer 0.14 NTU

Filter 4 post 2nd spike @ 9:23 - grab 0.09 NTU

Other analyzer readings during spike: Filter 1 - 0.005 NTU; Filter 2 - 0.006 NTU; Filter 3 - 0.005 NTU;
Post DAF Train 1 – 0.61 NTU; Post DAF Train 2 – 0.40 NTU



**Water and Waste
Eaux et déchets**

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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