

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

April 7, 2025

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

Incident No: CAR-05-2025-WTP

Reported to ODW: March 19, 2025 @ 12:45

Reported by: Dan Merredew, Water Treatment Operations Supervisor

Approved by: Dan Merredew, Water Treatment Operations Supervisor

Incident Date: March 19, 2025

Incident Location: Winnipeg 2-Treated (WTP)

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

Description of Corrective Actions:

On March 19, 2025 Filter 4 experienced a turbidity spike above 1.0 NTU. The turbidity peaked at 5.0 NTU and stayed at this level from 11:47:53 till 11:49:00 (1 minute and 7 seconds). The filter stayed above 1.0 NTU from 11:46:42 until 11:49:00 (2 minutes and 18 seconds). The event was the result of the filter being in a drain down for a backwash. At this same time a planned network outage occurred on our SCADA system. The outage caused the filter flow valve to close and then open fully. This resulted in a surge of water going through the Filter resulting in a spike. When the network was enabled Operations saw the status of the Filter and it was immediately isolated.

Neither water quality nor safety were impacted by this event. Chlorination remained online while flow was going through the Filter. Once the WTP was returned to service our UV system was treating all filtered water that was stored in the Clearwell.

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

N:\Environmental Standards\Analytical Services\Government Agencies\Office of Drinking Water\Corrective Action Reports



Location	Date	Time	Analyzer Reading (NTU)	Grab Turbidity (NTU)
Post DAF Train 1	3/19/2025	11:17	0.71	NA
Post DAF Train 2	3/19/2025	11:17	0.66	NA
Filter 1	3/19/2025	11:47	0.06	NA
Filter 2	3/19/2025	11:47	0.02	NA
Filter 3	3/19/2025	11:47	0.02	NA
Filter 4 pre-spike	3/19/2025	11:42	0.04	NA
Filter 4	3/19/2025	11:47 - 11:49	5.00	NA
Filter 4 post-spike	3/19/2025	11:49	Isolated for Backwash	NA
Filter 5	3/19/2025	11:47	0.01	NA
Filter 6	3/19/2025	11:47	0.06	NA
Filter 7	3/19/2025	11:47	0.04	NA
Filter 8	3/19/2025	11:47	0.04	NA

NOTES/COMMENTS:

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