



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-04-2025-WTP

Reported to ODW: April 1, 2025 @ 13:00

Reported by: Matthew Harrison, Water Treatment Operations Support Engineer

Approved by: Matthew Harrison, Water Treatment Operations Support Engineer

Incident Date: March 5, 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 5, 2025 while starting up the WTP after a planned shutdown, Filter 1 experienced a turbidity spike above 1.0 NTU. Prior to the event, Filter 1 was running at 0.08 NTU at initial start up. Due to WTP start up issues Filter 1 was isolated at 14:50:17. Filter 1 was brought back online at 14:55:13. When being brought back online the flow control valve opened more than required causing another flow surge. This flow surge resulted in a turbidity spike. The turbidity reached a maximum of 1.72 NTU at 15:01:18 and was above 1.0 NTU for 3 minutes at 57 seconds. Filter 1 was isolated again at 15:05:42 and brought back online at 15:19:00, by 15:48:43 turbidity had settled at approximately 0.07 NTU.

Neither water quality nor safety were impacted by this event. Chlorination and UV remained online while flow was going through the Filter.

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	3/5/2025	14:25	0.74	NA
Post DAF Train 2	3/5/2025	14:25	0.78	NA
Filter 1 pre-spike	3/5/2025	14:49	0.08	NA
Filter 1	3/5/2025	15:01	1.72	NA
Filter 1	3/5/2025	15:19	0.44	NA
Filter 1 post-spike	3/5/2025	15:48	0.07	NA
Filter 2	3/5/2025	15:01	OL	OL
Filter 3	3/5/2025	15:01	OL	OL
Filter 4	3/5/2025	15:01	0.06	OL
Filter 5	3/5/2025	15:01	0.05	NA
Filter 6	3/5/2025	15:01	0.00	NA
Filter 7	3/5/2025	15:01	OL	OL
Filter 8	3/5/2025	15:01	0.04	NA

NOTES/COMMENTS:

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