

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