Water and Waste
Eaux et déchets

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

October 4, 2024

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

Incident No: CAR-06-2024-WTP

Reported to ODW: October 4, 2024 @ 08:30

Reported by: Dan Merredew, Water Treatment Operations Supervisor

Approved by: Dan Merredew, Water Treatment Operations Supervisor

Incident Date: October 3, 2024

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 October 3, 2024 Filter 2 experienced a turbidity spike above 1.0 NTU. The turbidity reached a maximum of 2.05 NTU at 22:36:58 and was above 1.0 NTU for 20 seconds. 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 2 pre spike @ 22:36 - analyzer 0.14 NTU

Filter 2 post spike @ 22:45 - analyzer 0.15 NTU; grab 0.23 NTU

Filter 2 post spike @ 23:21 - analyzer 0.15 NTU; grab 0.15 NTU

Other analyzer readings during spike: Filter 1 - 0.16 NTU; Filter 3 – in backwash; Filter 4 - 0.04 NTU; Filter 5 - 0.12 NTU; Filter 6 - 0.09 NTU; Filter 7 - 0.04 NTU; Filter 8 - 0.02 NTU
Post DAF Train 1 - 0.44 NTU; Post DAF Train 2 - 0.58 NTU

Reference No: n/a

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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

ENVIRONMENTAL STANDARDS DIVISION
2230 Main Street, Winnipeg, Manitoba R2V 4T8
DIVISION DES NORMES ENVIRONNEMENTALES
2230, rue Main, Winnipeg (Manitoba) R2V 4T8

T. | Tél.: 204-986-4684
F. | Fax : 204-339-2147
winnipeg.ca/waterandwaste