



Derek Clarke, Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
Box 6000
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February 10, 2020

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

Incident No: CAR_10-2019

Reported to ODW: January 6, 2020

Reported by: Mike Logan, Senior Operator

Approved by: Dan Merredew, Water Treatment Operations Supervisor

Incident Date: December 19, 2019

Incident Location: Winnipeg 2-Treated (WTP)

Incident Type: (choose all that apply)

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

Description of Corrective Actions:

Water Treatment Plant Operator: Water Treatment Instrument Technicians were performing maintenance on the Filter # 2 Turbidity Analyzer. The analyzer was placed into a timed “hold” mode to take the instrument out of service during maintenance, however, the analyzer came out of “hold” mode automatically after the time delay while maintenance was in progress, causing the analyzer to read 4.59 NTU for less than 1 minute. Grab samples were taken to verify filter turbidity were within license limits both before and after the maintenance of the turbidity analyzer, demonstrating that filter #2 effluent turbidity was below the license limit and the analyzer reading above 1 NTU was due to maintenance and not reflective of true process conditions.

Test Results: December 19, 2019

Prior to maintenance work: Time 14:21, Grab Sample 0.06 NTU, Analyzer Reading 0.03 NTU

After maintenance work: Time 15:40, Grab Sample 0.08 NTU, Analyzer Reading 0.02 NTU

LIMS 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

Filter # 2 Filter Effluent Turbidity Analyzer Readings (from SCADA):

<u>Time</u>	<u>Value</u>
12/19/2019 14:23	0.03
12/19/2019 14:25	0.03
12/19/2019 14:27	0.03
12/19/2019 14:29	0.03
12/19/2019 14:31	0.03
12/19/2019 14:33	4.59
12/19/2019 14:35	0.01
12/19/2019 14:37	0.01
12/19/2019 14:39	0.02
12/19/2019 14:41	0.01
12/19/2019 14:43	0.01
12/19/2019 14:45	0.01
12/19/2019 14:47	0.02
12/19/2019 14:51	0.02
12/19/2019 14:53	0.02
12/19/2019 14:55	0.02
12/19/2019 14:57	0.02
12/19/2019 14:59	0.02
12/19/2019 15:05	0.01
12/19/2019 15:09	0.01
12/19/2019 15:11	0.01
12/19/2019 15:13	0.01
12/19/2019 15:15	0.02
12/19/2019 15:17	0.01
12/19/2019 15:19	0.02
12/19/2019 15:21	0.02
12/19/2019 15:23	0.01
12/19/2019 15:25	0.02
12/19/2019 15:27	0.02
12/19/2019 15:31	0.02
12/19/2019 15:33	0.02
12/19/2019 15:35	0.01
12/19/2019 15:37	0.02
12/19/2019 15:39	0.01