



Derek Clarke, Drinking Water Officer
Office of Drinking Water, Manitoba Sustainable Development
Box 6000
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June 7, 2019

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

Incident No: CAR_02-2019

Reported to ODW: May 9, 2019

Reported by: Louis Rivard, Superintendent of Water Services

Approved by: Louis Rivard, Superintendent of Water Services

Incident Date: May 8, 2019

Incident Location: Winnipeg 3-Dist NW02_ Analyzer

Incident Type: Low Disinfectant Residual in Distribution System, 22(1) MR 40/2007

Description of Corrective Actions:

Water Services:

Contacted ODW and Environmental Standards to report the free chlorine residual below 0.1 mg/L, and dispatched an instrument technician to confirm the chlorine analyzer readings. The instrument technician checked the analyzer and it appeared to be working normally. There was no work in the area of the library that may have resulted in a drop in residual.

Environmental Standards:

Re-sampled original location and tested for; bacteria, turbidity, free/total chlorine, and temperature and confirmed analyzer reading at the time of sampling.

Test Results: See attached

LIMS Reference No: 202305 & 203240

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



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Sample Name	Sample Number	Date Sampled	E Coli (MPNU/100mL)	Total Coliform (MPNU/100mL)	Online Analyzer Free Chlorine (mg/L)	Free Chlorine (mg/L)	Total Chlorine (mg/L)	Turbidity-field (ntu)	Temperature (°C)	Time Sampled (hrs)
NW02	202305	8-May-19	<1	<1	0.13	0.12	0.27	0.24	3.7	9:43
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.08	N/A	N/A	N/A	N/A	16:20
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.07	N/A	N/A	N/A	N/A	16:25
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.07	N/A	N/A	N/A	N/A	16:30
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.06	N/A	N/A	N/A	N/A	16:35
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.05	N/A	N/A	N/A	N/A	16:40
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.05	N/A	N/A	N/A	N/A	16:45
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.05	N/A	N/A	N/A	N/A	16:50
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.06	N/A	N/A	N/A	N/A	16:55
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.06	N/A	N/A	N/A	N/A	17:00
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.07	N/A	N/A	N/A	N/A	17:05
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.07	N/A	N/A	N/A	N/A	17:10
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.07	N/A	N/A	N/A	N/A	17:15
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.07	N/A	N/A	N/A	N/A	17:20
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.06	N/A	N/A	N/A	N/A	17:25
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.06	N/A	N/A	N/A	N/A	17:30
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.06	N/A	N/A	N/A	N/A	17:35
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.07	N/A	N/A	N/A	N/A	17:40
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.06	N/A	N/A	N/A	N/A	17:45
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.07	N/A	N/A	N/A	N/A	17:50
NW02_Analyzer	N/A	8-May-19	N/A	N/A	0.09	N/A	N/A	N/A	N/A	17:55
NW02_Resample	202340	9-May-19	<1	<1	0.52	0.49	0.65	0.36	3.4	16:26

NOTES/COMMENTS:

1. All microbiological tests performed by contract laboratory.
2. N/R-No Result due to laboratory/analyst error.
3. N/A-Not Analyzed.