

Water Facts



- The Yellowhead Regional Water Co-op provides potable drinking water to a population of approximately 3400 people.
- Public water systems are required to monitor chlorine levels and undertake regular bacterial testing.
- The water treatment process removes particulate and organic matter, softens the water to an acceptable level, filters the water, removes taste and odour, and disinfects the water with chlorine to prevent bacterial diseases.



Public Water System Annual Report* -2012-

Yellowhead Regional
Water Co-op Inc.



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Valorie Unrau (204) 685-2211

Water System's Emergency
Number
(204) 871-5137 (North Norfolk)
(204)871-1936 (Gladstone)

*This is a summary of the full report. Full report available upon request.

Water System Information

The Yellowhead Regional Water Co-op water supply system consists of a network of pressurized pipelines, booster stations, a pressure reducer station, water storage reservoirs, and meter stations. The Yellowhead Regional Water Co-op owns the Austin, MacGregor, Plumas, Gladstone, and Village of Westbourne water storage reservoirs. The treated water is supplied by the City of Portage la Prairie Water Treatment Plant, which uses the Assiniboine River as a raw water source.

The system provides treated water to the Rural Municipalities of Lansdowne, North Norfolk, and Westbourne; the Towns of MacGregor and Gladstone; and the Villages of Austin, Bagot, Rossendale, Westbourne, Plumas, and Arden.

Treatment Process

The treatment process consists of suspended solids removal pre-treatment, lime softening and clarification, pH adjustment, ozonation, filtration, taste and odour removal, fluoridation, and disinfection by chlorination. Chlorine is used to maintain a residual disinfectant in the distribution system. The regional system includes rechlorination at water storage reservoirs to maintain adequate chlorine levels and booster pumping stations to maintain water pressure.

The treatment system ensures that the water meets the *Guidelines for Canadian Drinking Water Quality* and the *Drinking Water Safety Act* requirements.

Monitoring

The Province of Manitoba has adopted a number of water quality standards from the *Guidelines for Canadian Drinking Water Quality*, developed by Health Canada. The health-based parameters express the maximum acceptable concentrations for drinking water.

Regular monitoring and reporting include disinfectant residual levels, bacteriological sampling, and disinfection by-products testing.

The Yellowhead Public Water System fulfilled its obligations in 2012 in complying with *The Drinking Water Safety Act* regulations.

In 2012 there were no major water system incidents, boil water advisories, or drinking water safety orders. There were no warnings issued or charges laid under *The Drinking Water Safety Act*. Corrective actions were taken and reported as required for normal minor variations during the course of operations.