

Water Facts



- The Yellowhead Regional Water Co-op provides potable drinking water to a population of approximately 3,500 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.



Yellowhead Regional
Water Co-op Inc.

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YHRC Emergency Numbers
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(204) 871-6540 (Westlake-Gladstone)
(204) 841-3742 (Glenella-Lansdowne)

Public Water System Annual Report* -2016-

**Yellowhead Regional
Water Co-op Inc.**



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

Yellowhead Regional Water Co-op Inc.

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 Arden, Austin, Gladstone, MacGregor, Plumas, and Westbourne water storage reservoirs. The Co-op also owns the Lansdowne, Poplar Bluff, and Bagot pressure booster stations, as well as the Westbourne pressure reducing station.

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 approximately 3,500 residents in: the Rural Municipalities of Glenella-Lansdowne, Westlake-Gladstone, and North Norfolk; the Towns of MacGregor and Gladstone; and the Villages of Austin, Arden, Bagot, Rossendale, Westbourne, and Plumas.

City of Portage la Prairie Water Treatment Process

The treatment process consists of suspended solids removal pre-treatment, lime softening and clarification, pH adjustment with re-carbonation, ozonation, filtration, taste and odour removal, fluoridation, corrosion control, 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 are used 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 2016 in complying with *The Drinking Water Safety Act* regulations.

In 2016 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.