



# JOHN MEUNIER

## Portage La Prairie Water Treatment Plant City of Portage La Prairie, MB, Canada



### THE CUSTOMER

Portage la Prairie (population 13,000) is located on the Assiniboine River, approximately 85 km west of Winnipeg, Manitoba. The City's water treatment plant consist of lime softening clarifiers, recarbonation, ozonation, sand-anthracite filters and GAC filters.

### THE CUSTOMER'S NEEDS

The Assiniboine River water quality varies considerably with wide ranges of temperature, turbidity, hardness, organics and algae. Due to poor raw water quality, more stringent water quality standards and increasing demand, the City had been challenged to meet its commitment of delivering a reliable, high quality water service to its domestic and industrial customers.

### OUR SOLUTION

In 1999, a feasibility study conducted by Cochrane Engineering identified the Actiflo® ballasted clarification process as a potential solution for preclarification.

In March 2001, John Meunier conducted a successful pilot study of the Actiflo ballasted clarification process, demonstrating the ability of the process to protect the existing plant against the Assiniboine River's extreme turbidity spikes (up to 2,600 NTU).

In 2002, a new Actiflo® clarifier with a capacity to treat 34,000 m3/d was installed upstream of the existing plant. The Actiflo® clarifier provides consistant clarified water quality, which helps maintain optimal conditions in the downstream processes.

"In 2003, possibly the worst year for the Assiniboine River water quality on record, the City was able to produce the best treated water it ever produced" says Kelly Braden, P.Eng., Director of Operations for the City of Portage la Prairie.

### ABOUT JOHN MEUNIER INC.

As a specialist in the treatment of potable water, process water, wastewater and stormwater management, John Meunier has been serving North American municipalities and industries since 1948.

John Meunier Inc. is a subsidiary of Veolia Water Solutions & Technologies, the Veolia Water division which designs and manufactures technological solutions for water and wastewater treatment. Veolia Water is the world leader in water services, serving over 110 million people worldwide with close to 68,000 employees.

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