



## BEARSPAW

### Water Treatment Plant City of Calgary, AB, Canada

#### THE CUSTOMER

Calgary is one of the fastest growing cities in Canada (population 1 050 000). The City's Water Services provides drinking water to a variety of customers, including 260 000 residential customers, 20 000 industrial, commercial and institutional customers, as well as customers in the surrounding communities of Airdrie and Chestermere.

#### THE CUSTOMER'S NEEDS

The Bears paw water treatment plant draws water from the Bow River. The river has recorded turbidities of more than 1000 NTU (Nephelometric Turbidity Units) during spring runoff, which caused temporary overload for the existing pretreatment sedimentation basins and filters.

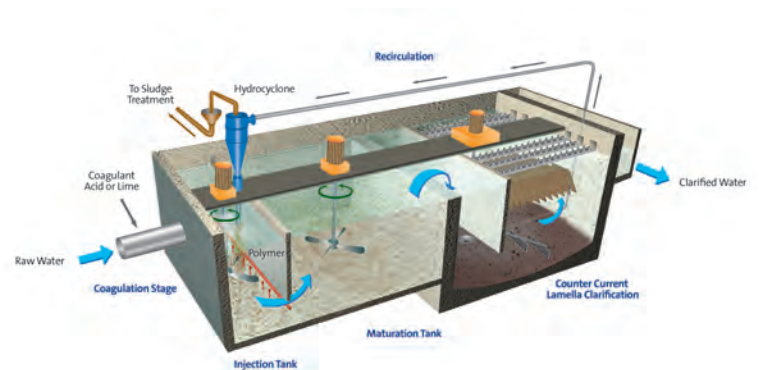
The City of Calgary Water Services invested \$200 million in upgrades to Calgary's water treatment plants. The City's two water treatment plants — Bears paw and Glenmore — underwent extensive upgrades, aimed at improving the ability to produce high quality drinking water that meets the increasingly stringent regulatory requirements imposed by the federal and provincial regulations.

Another important goal of the upgrades is to improve overall plant capacity to ensure they can meet the increasing demand for water in Calgary. After expansion, the Bears paw plant will be capable of producing up to 550 million litres of water per day.

#### OUR SOLUTION

At Bears paw, John Meunier will supply six ACTIFLO® clarifiers (total capacity 586,000 m<sup>3</sup>/d.), polymer metering systems and control systems. Located in a new building - the Pretreatment facility -, the ACTIFLO® process will remove turbidity and organics prior to the filtration process.

The Actiflo® Process



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