



Pine Creek Wastewater Treatment Plant

Calgary, Alberta, Canada



Start Date
2003

Completion Date (1st Stage)
2007

Products
**CONCENTRATE, MODIFIED,
ADMIX C-500**

Project Type
**WASTEWATER COLLECTION
& TREATMENT**



At Calgary's Pine Creek Wastewater Treatment facility, engineers concerned about the aggressive nature of sewage, specified [Xypex Crystalline Technology](#) to waterproof, protect and enhance the durability of the primary and secondary clarifying tanks, the bio-reactor cells and more.

In the first phase of this project, Xypex [Concentrate](#) and [Modified](#) (180,000 lbs.) were used to waterproof and provide chemical protection for the first phase of this major wastewater treatment facility (400,000 sq. ft.), while Xypex [Admix C-500](#) was incorporated into the 75,000 sq.ft. slab.



Engineers know of the importance of Xypex products at Pine Creek and the part they play in protecting the neighboring landscape and the hook-hungry habitat of the Bow River from harmful chemicals that might otherwise leach through unprotected concrete. Xypex creates impermeable concrete to contain the wastewater and to protect the Pine Creek structure itself.