

Saint-Lin Wastewater Treatment Plant Upgrade



The Municipality of Saint-Lin-Laurentides commissioned the construction of a new potable water production facility to increase capacity and improve water quality for the growing region. The project, located at Well P8, includes new below-grade reservoirs, treatment basins, and process buildings designed to meet stringent provincial standards for potable water infrastructure.

Due to continuous exposure to moisture, hydrostatic pressure, and the need to maintain watertight conditions, the project required a long-term waterproofing solution that would eliminate the need for external membranes.



To achieve this, Xypex Admix C-500 was incorporated into the concrete supplied by Béton Adam, providing integral crystalline waterproofing throughout all liquid-retaining and below-grade concrete elements. For added surface protection, one coat of Xypex Concentrate and one coat of Xypex Modified were applied by Groupe Lefebvre to interior concrete surfaces.

ABOUT THIS PROJECT:

Market Segment:
Wastewater Collection
& Treatment

Owner/Developer:
Municipality of
Saint-Lin-Laurentides

Products Used:
Xypex Admix C-500
Xypex Concentrate
Xypex Modified

Location:
Saint-Lin-Laurentides,
QC, Canada

Engineer:
Groupe Lefebvre

Ready-Mix Providers:
Béton Adam, Saint-
Thomas, Joliette



Together, these products form a continuous crystalline barrier that seals micro-cracks, resists hydrostatic pressure, and protects against water ingress from any direction – ideal for potable water structures where long-term performance and non-toxicity are critical.

The Xypex system offered a constant and maintenance-free alternative to external membranes, simplifying construction and ensuring a durable, watertight structure. Its proven crystalline technology extends service life, minimizes lifecycle costs, and supports the municipality's goal of delivering reliable, safe, and high-quality drinking water to the Saint-Lin-Laurentides community.

