



# Travaux de reconstruction du poste de pompage Quarante-Arpents II Terrebonne



## ABOUT THIS PROJECT:

**Market Segment:**  
Wastewater Treatment Plant

**Owner/Developer:**  
RAIM Régie d'aqueduc intermunicipale des Moulins

**Products Used:**  
Xypex Bio-San

**Engineer:**  
Les Conseillers BCA Consultants Inc., BHP Conseils

**General Contractor:**  
Allen HEAD OFFICE - St-Henri

**Ready-Mix Provider:**  
Lafarge GMA - Laval

**Architect:**  
Atelier Jean Damecour

**Location:**  
Quebec, Canada

The City of Terrebonne, Quebec, undertook a critical infrastructure modernization initiative, constructing a new water treatment plant to enhance water quality. The new water treatment plant required a long-term solution against harsh sewage conditions with high levels of  $H_2S$ .

Xypex Bio-San also includes crystalline technology that enables the concrete to self-heal micro-cracks and resist hydrostatic pressure, ensuring lasting impermeability even in extreme conditions.

Xypex Bio-San offered a durable, cost-effective, and maintenance-free alternative to membranes, particularly for complex or high-exposure structures. Environmentally sustainable, it reduces waste and labour costs while outperforming membranes in harsh conditions.



Xypex Bio-San is a uniquely designed admixture for integral, long-term concrete protection in harsh sewage conditions with levels of  $H_2S$  that cause microbial-induced corrosion (MIC).

