

# Infrastructures Expertise

## Test centre for sewage treatment systems

### Tests conducted under actual operating conditions:

- Surface area of 511 m<sup>2</sup> (5,507 ft<sup>2</sup>), 7.5 m in height
- Safe bearing capacity of 2 800 lbs/ft<sup>2</sup>

### Bypass access to different types of effluents:

- Municipal waste water
- Screened desilted sewage
- Effluents from primary and secondary settling tanks
- Primary and secondary sludge

An ISO Guide 25-certified testing laboratory adjacent to the sewage treatment plant of the Communauté urbaine de Québec (CUQ), allowing for the simulation of actual flow conditions in small municipalities. It also ranks as the only testing laboratory accredited by the Bureau de normalisation du Québec (BNQ) to carry out performance testing against Standard NQ-3680-910.

## The experimental multi-wastes site

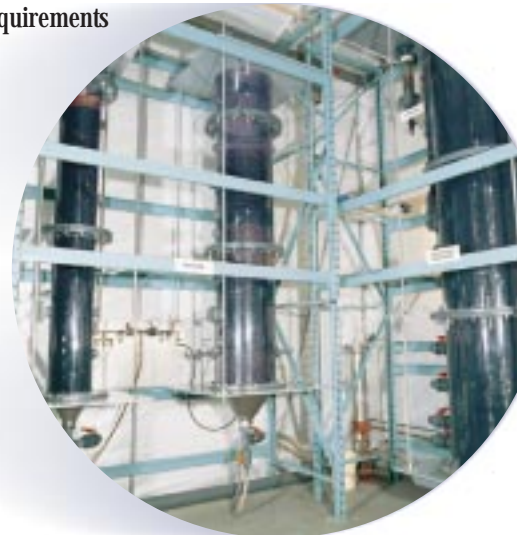
### Main features:

- Total capacity of 8 000 m<sup>3</sup> (annually)
- Six experimental cells (40 m<sup>3</sup> capacity each), two of which are covered for simulating weather conditions
- Multi-purpose entirely concrete surface
- Equipped with a BIOSOR™, an exclusive system for simultaneous treatment of liquid and gaseous effluents
- Secured facilities, ISO 9001 registered and compliant with the requirements of the Ministère de l'Environnement et de la Faune du Québec

## Pilot biofiltration laboratory

### Main features

Testing surface : 17.7 m x 7.9 m = 140 m<sup>2</sup>  
System capacity: Storage tank: 2 000 L  
Biofilter: 600 L



**CRIQ**

CENTRE DE RECHERCHE  
INDUSTRIELLE DU QUÉBEC