Case Study: Membrane Revolutions in Lagoon Wastewater Treatment

An innovative technology with the potential to dramatically improve lagoon performance and create re-use quality water.

THE PRESSURES
- Aging lagoon infrastructure is a common occurrence in rural municipalities and First Nations
- Regulatory compliance is difficult to attain with current lagoon designs
- Populations in remote communities need cost-effective solutions to improve lagoon performance

THE SOLUTION
Swirltex has designed modular systems that can treat lagoon wastewater using membrane technology, facilitating water re-use
- Membrane filtration
- Consistently removes solids
- Low maintenance system, low operational costs
- On-site treatment solution
- Increased lagoon capacity without large upgrades

THE TECHNOLOGY
Swirltex has been operating at the Ponoka lagoon in Alberta for over a year, treating wastewater and helping the community increase its lagoon capacity, while providing water quality fit for re-use in local industry.
Flow: 500 m3/day
TSS<5mg/L
BOD<5mg/L

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