

2018

## Wastewater Treatment

### Multi-disciplinary Approach

Inland Technologies is an experienced wastewater treatment specialist. Over the years, we have managed hundreds of millions of liters of contaminated stormwater and industrial wastewater.

Each wastewater stream has demanded customized treatment methodologies – mechanical, biological and chemical – to meet legislative and local operating requirements.

Inland is experienced in developing a number of systems that vary depending on influent characterization and release parameters.

### Mechanical Treatment

Wastewater treatment can encompass a number of steps which filter, clarify and clean fluids from start to finish. On the mechanical side of the equation, Inland has used oil water separator systems, dissolved air flotation (in house design and manufacturing), mechanical vapour recompression, and membrane systems to treat industrial wastewater.

### Biological Treatment

We also designed managed treatment lagoons and sequential batch reactor systems and worked with biological systems such as reed beds and wetlands for final polishing of effluent. Our service goal is to deliver proven sys-



*Biological Treatment System for Industrial Wastewater*

### Turnkey Services

Inland takes an integrated approach to managing wastewater treatment services. In cases where highly specialized programs are required, we liaise with our academic partners to develop unique treatment plans, using the latest in research to deliver advanced systems.



*Membrane Treatment System*

tems based on ongoing process improvements in a cost-effective way.

## Inland Capabilities

### Mechanical treatment technologies

- Ultra-filtration & reverse osmosis systems
- Coalescing oil water separators
- Mechanical vapour recompression
- Settling systems
- Dissolved air flotation (DAF)

### Biological treatment systems

- Aerated lagoons
- Engineered wetlands
- Anaerobic digesters