



# POLIPUR™

## Tertiary Treatment

### *Effluent Polishing Electrotechnology*

#### POLIPUR™ Advantages

- Simultaneously removes phosphorous, suspended solids and pathogens
- No chemical reactants
- Generates less sludge than conventional physical-chemical treatment
- Low operating and maintenance costs
- Automated system (optional remote control)
- Phosphorous removal can be set according to discharge objectives
- Wastewater can be disinfected and reused
- Readily adaptable to existing equipment and infrastructures



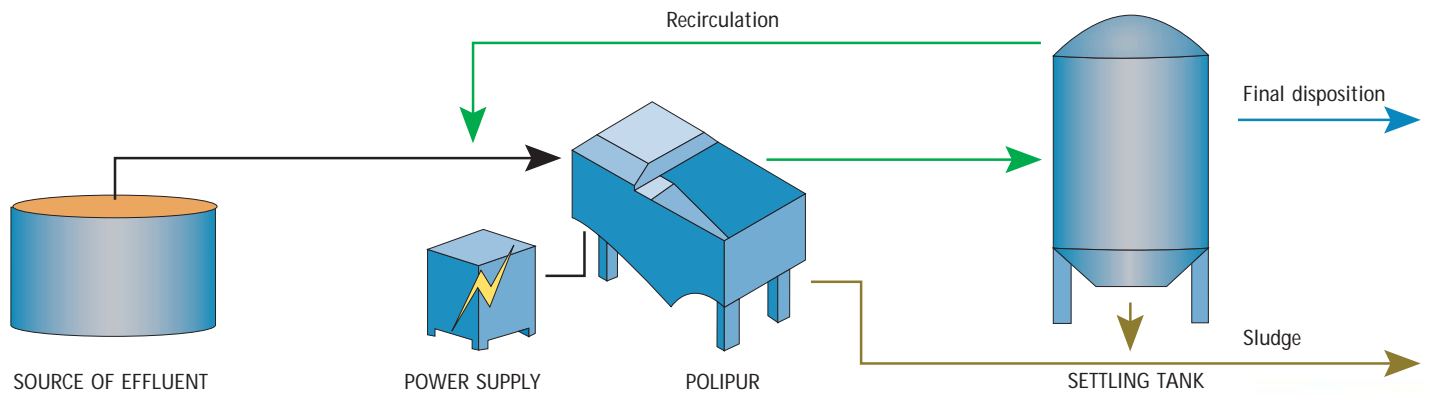
#### ENVIROGAIN Services

In cooperation with its authorized partners, ENVIROGAIN offers:

- Consulting services for effluent polishing
- Process design according to needs
- Integration with existing equipment and infrastructures
- Process start-up, follow-up and maintenance

Authorized partner

# Example of POLIPUR™ Process Configuration



Polipur™ technology has a patent pending

## Main Specifications

Power	60 hz 240V, 1 phase 600V, 3 phases 50 hz 400V, 3 phases
Capacity on demand	10 to 100 m <sup>3</sup> /d (2641 to 26417 GPD) or more depending on effluent treatment requirements
Overall dimensions	2.0 m x 1.4 m x 1.7 m (79" x 55" x 67")

## Performance

The POLIPUR™ process is both cost and energy efficient for effluents that contain less than 300 mg/l of phosphorous, 2000 mg/L of suspended solids and a high level of pathogens. Performance can be adjusted according to the discharge objectives.

## Performance Results

	Case 1			Case 2		
	Raw (source) water	Outlet (treated water)	Efficiency	Raw (source) water	Outlet (treated water)	Efficiency
Total Phosphorous (mg – P/L)	75	2	97.8%	217	8.8	96.5%
Suspended solids (mg/L)	130	40	72.7%	300	83	76.1%
Total coliform content (UFC/100mL)	780 000	120	99.9%	1 000 000	150	99.9%

## Automation

POLIPUR™ operates automatically once calibrated according to a given discharge objective. It can be remotely operated and monitored.

## Robust

POLIPUR™ is reliable and robust.

- 100% Stainless steel
- CSA Power supply (North America) and CE (Europe).

For more information, please contact us

1112, boulevard de la Rive-Sud, suite 220, Saint-Romuald (Quebec) Canada G6W 5M6

Telephone: 418 834.2640 • Fax: 418 839.1419 • [www.envirogain.com](http://www.envirogain.com)