



## Project #3: Capturing nutrients from industrial wastewater

For Demonstration Project #3, a pilot-scale precipitation/stripping unit for the treatment of dairy processing effluent was built to assess and evaluate both the removal capacity and economic implications of a full-scale unit.

Disposing of nutrient-rich industrial wastewater incurs significant cost and represents a loss of resources – particularly phosphorus, which is finite; and nitrogen, which is expensive to purchase.

Initial work with dairy processing wastewater has shown that 90% of nitrogen and phosphorus can be stripped from wastewater, allowing it to then be used for irrigation. The nutrients recovered during the process have multiple uses in agriculture and aquaculture.

## About ReCirculator

Bringing together research expertise in geochemistry, environmental science, engineering, business and education to develop solutions for our global waste problem. Our research addresses the barriers associated with integrating wastes into the circular economy, developing and implementing cutting-edge scientific, technical, social, economic and education-based solutions.

If you would like more information on collaboration or partnerships please contact:

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