

Maleny Cheese, Sunshine Coast Hinterland, QLD

An upgrade to deal with difficult wastewater



Located an hour north of Brisbane, in the hinterland of the Sunshine Coast, Maleny Cheese is a family-owned business that first opened its doors in 2004. With its fine range of cheese products and onsite café it is a popular spot with tourists and locals alike.

The presence of residential and commercial activities on the same site presents a unique challenge in terms of wastewater treatment, & one beyond the current aerated system which performed poorly during cheese processing activities. The problem with the current set-up was so bad that the client had reverted to an arrangement with Sunshine Coast Regional Council to cart the cheese waste away. As well as being a costly exercise this approach had an expiry date, meaning Maleny Cheese had to investigate other options.

“The solution we came up with needed to be one that is robust enough to deal with the high strength waste, and flexible for expansion for later if required. The Orenco system was the only system we could find that meets with our design criteria and demand of a difficult site” Tom Johnstone, Alliance Water Solutions

Key selection criteria for the project were;

- A system that can deal with the cheese factory process waste
- A system which allowed integration with existing infrastructure
- A modular system for future expansion as needed



Orenco's AdvanTex® Recirculating Textile Filter, coupled with the existing tank onsite provides a robust solution for the cheese processing waste



Alliance Water Solutions and InnoFlow designed a system that utilised existing infrastructure onsite in conjunction with Orenco's AdvanTex® Recirculating Textile Filter. Following storage and digestion in an existing 45,000 litre tank, the AdvanTex® system treats the water to a level suitable for reuse in the existing irrigation system.

The system will also be maintained by Alliance Water Solutions, and testing will be undertaken after a few months of operation to assess system performance.

“The Orenco products were very easy to work with, both where we were fitting equipment to existing tanks and for the new system.” Ben Moore, Alliance Water Solutions

Designed By	Alliance Water Solutions & InnoFlow Australia
Design Flow	2,500 litres per day during peak processing
Installed By	Alliance Water Solutions
Client	Maleny Cheese
Local Authority	Sunshine Coast Regional Council
Commissioned	October 2010

Maleny Cheese presents an example of fit-for-purpose wastewater design, and demonstrates InnoFlow & Orenco's ability to design solutions on a case by case basis for any number of situations including other process-waste applications such as dairy operations, wineries, light industry and more