

Food And Drink Sector

Summary

This case study outlines the potential benefits to Lakeland Dairies of using Greenbusiness to help manage resources more efficiently. The site visit identified a range of recommendations with good associated potential benefits, including:

- Cost savings equivalent to 0.25% of turnover were identified
- Reducing water use and saving energy by re-circulating cooling waters from the separators, homogenisers and pumps
- Reducing water use by checking and fixing steam leaks
- Reducing the waste to effluent and saving on raw materials by recovering the first flush of the cleaning cycle
- Evaluating the savings of introducing a no-pot-no-fill detector in the ice cream filling operation to reduce waste
- Investigating the option of reusing RO Permeate to reduce the use of harder bore hole water
- Reusing corrugated board boxes in a closed loop return system to reduce waste
- Reducing packaging by replacing the 2" tape with 1.5" tape for the Butter Portioning operations
- Replacing mechanical aerators with fine bubble diffusion aeration to save energy
- Saving energy and compressed air through an air leak survey; ongoing maintenance; and switching off unused compressors
- Saving energy by switching of equipment when it is not in use

Request a Greenbusiness Resource Efficiency Assessment now by:

Registering at www.greenbusiness.ie;

Calling our helpline on
1850 473361 (1-850-GREEN1); or

E-mailing the helpdesk at
contactus@greenbusiness.ie.



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Lakeland Dairies

Lakeland Dairies is the fourth largest dairy in Ireland. The site receives milk directly from farms to manufacture the following products:

- Minipots of milk and cream
- Tetrapak cartons of milk
- Frozen and liquid ice cream
- Butter portions
- Casein and whey powder

Rory Farrell, Environmental Manager at Lakeland Dairies "was delighted with the service delivered by 'greenbusiness.ie' and that the audit will help to continue to deliver savings in the area of resource efficiency which is vital to the business going forward.

Improving Resource Efficiency at the Company

The company currently practices several environmental initiatives to improve the resource efficiency of its operations. This includes the delivery of sugar in bulk, which reduces the use of raw materials for packaging, reduces waste and reduces fuel use.

The further processing of milk by-products into casein powder, and the by-products from casein powder (whey) into livestock feed and whey protein concentrate, reduces solid and liquid wastes generated at the site.

Lakeland Dairies also reuse or recycle the majority of their waste arisings. This includes reuse by returning the transit packaging, such as pallets, wooden pallet tops and polypropylene reel cores. Polystyrene, metal and cardboard are all recycled, whilst the sludge from the effluent treatment is spread on local farm land.

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OUR STAFF ARE WAITING TO HELP