



EAM

ENVIRONMENTAL
CONSULTANTS

Dairy Farming

Environmental Services



Environmentally sustainable dairy farming ensures that future generations of farmers can continue to enjoy and profit from dairy farming while maintaining the natural character of the pastoral environment

The intrinsic value of the environment is something we all appreciate and increasingly international consumers are making choices based on the cleanness and greenness of products.



New Zealand farmers have always had a need to maintain high standards in food safety and animal welfare, and now responsibility and care for the environment are equally important.

The New Zealand Dairy Industry Environmental and Animal Welfare Policy emphasizes "leveraging New Zealand's positive environmental image to add value to products, thereby increasing farm revenue". However, "the more successful the strategy, the greater the risk of it being undermined by bad environmental or welfare practice".



One of the main issues for dairy farmers is controlling the discharge of effluent. These discharges can either be point source, i.e. shed or feed pad effluent, or from multiple, diffuse sources, i.e. runoff of nitrogenous wastes, fertilisers from paddocks. Managing the effects of point source pollution is a minimum requirement and increasingly regulatory agencies are monitoring diffuse sources of pollution.

There are a number of different strategies for managing point source effluent. Typically effluent ponds collect and hold this effluent, allowing solids to be separated. The liquid effluent can then be applied to pasture as valuable fertiliser. When carried out properly this method is an effective, sustainable solution for effluent disposal. To underpin this technique farmers need to know that scientifically robust, defensible methodologies are behind every environmental report. EAM has a history of working alongside dairy farmers to assess, monitor and report back on their environmental performance.

Dairying landscapes with healthy rivers flowing through them and habitat provided for native species are scenes that can be achieved through effective environmental management and monitoring tools.

Effluent Management

- Dairy shed and feed pad effluent testing
- Water quality monitoring of rivers, streams & groundwater
- Effluent ponds - sludge surveys, options for removal & disposal
- Effluent application rate testing
- Wetland establishment/restoration
- Riparian planting

Groundwater Services

- Supply well locating
- Aquifer pump testing
- Water quality analysis
- Water level monitoring

Freshwater Services

- Stream/river depletion studies
- Freshwater ecosystem inventories
- Stream/river flow gauging
- Contaminant assessment

Sustainable Dairying

- Environmental performance audits
- Effects management planning
- Nutrient management plans
- Integrated pasture nutrition monitoring
- Assessments of Environmental Effects

EAM understands dairy farmers are innovators. Give EAM your environmental goals and we'll work with you to develop a sustainable solution that sees them met on time and within budget.



info sheet

EAM Ltd.

Level 1 Bowman Building
Market Street, Napier
PO Box 1154
Ph 06 835 0248
Fax 06 835 0247

www.eam.co.nz