

## Nutrient removal tech on display at Cal Poly

September 13, 2010, San Luis Obispo, CA – Technology that may help dairy producers meet waste discharge requirements (WDR) related to excess nutrients in lagoon water applied to cropland will be on display at the **Cal Poly Dairy Symposium** Oct. 15-16.

Experience has shown that a significant percentage of California dairies have excess nutrients in relation to their available cropland for surface application of lagoon water and manure solids. Water Board regulations state that all dairies must meet a 1.4-1.65 times the crop's nutrient demand requirement by 2012. Facilities exceeding this limit will be required to increase their cropland distribution base, export nutrients off farm and/or decrease the facility's herd size.

The **Cal Poly Dairy Science** department has been exploring alternatives for producers to remain in compliance with these regulations. The university dairy constructed a simple, energy efficient wastewater treatment technology, called a Reciprocating Biofilter (ReCip®). It has proven effective in removing up to 95 percent of total ammonia nitrogen in dairy lagoon water. Producers with a surplus of nutrients who are unable to acquire additional land for nutrient dispersal or who cannot export nutrients off-farm can contact **Cal Poly** to schedule a tour or to acquire additional information about ReCip®.

Tours will be given during the **Cal Poly Dairy Symposium** Oct. 15-16. To schedule an appointment, contact Professor Tryg Lundquist at (805) 756-7275.

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