

## If there is "the scent of cheese" in the air: The ECOSORB<sup>®</sup> odour killer - an opportunity for dairies

Problems are inevitable when industrial facilities and residential areas are located closely. In the case of dairy factories conflicts are usually caused by odour. But ACAT is able to offer a solution: With Ecosorb<sup>®</sup> 606 even "strong odour" is transformed into fresh air, in the full sense of the word!



In recent years growing urbanization has made it necessary that even areas close to industrial areas developed into flourishing villages or suburbs. As a result problems caused by odours increased strongly, -much to the detriment of the established industries. In Italy dairies are particularly affected.

Usually dairies are located in remote regions outside of villages and near to farmers. But these areas are also very popular for residential construction, because people like to live in the countryside and in the vicinity of large cit-

ies. Often already existing plants are ignored: such as dairies.

To a large extent these factories have waste water treatment plants of their own. The plants produce sewage sludge, which usually is mechanically dewatered. The sludge can be disposed in three ways: in agriculture as fertilizer for the fields, by composting and / or by sending to landfills. In all cases big amounts of sludge have to be stored at the treatment plant for a while. And this is the reason for the occurrence of malodours. The sludge mainly consisting of animal fats decomposes easily and thereby the typical odours such as hydrogen sulphide (the typical smell of rotten eggs) and ammonia are produced.

For the coexistence of the new settlements and the industrial firms it is very important to find a method to eliminate these odours. In this case ACAT suggests the application of the odour neutralizer ECOSORB<sup>™</sup> 606 for odour control.

### ECOSORB<sup>™</sup>606 - the odour neutralizer

A dosing system equipped with a high-pressure pump (70 bar) feeds a series of misting nozzles (three to 60) with a mixture of tap water and ECOSORB<sup>™</sup>606. The source of the malodour is

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covered with a dense, strong neutralizing mist (droplet size  $2\mu$ ). With this system it is possible

to decide in the short term, when and how much neutralizer is needed to be dosed, and when it is sufficient to spray only water. Thus, the procedural costs can be significantly reduced.

The addition of ECOSORB<sup>®</sup> does not reduce sludge quality, so the sludge can still be used in agriculture and / or for composting. The system is installed quickly and easily and no structural changes are required. It is mounted to walls using especially designed pipe fittings. With a few technical changes an industrial fan can be installed. Thereby, the reach of the sprayed mixture is extended and it is possible to direct the spray in all directions needed.



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