

## The solution for farmyard runoff



### Project

In collaboration with the agricultural/energy company 'de Betonpleats' at Oudemirdum, Afmitech Friesland has realized a system to intercept and treat farmyard runoff.

### Locatie

The Betonpleats is located at the Oudemirdum Gaasterlân-Sleat municipality, in the province of Fryslân.

### Description

The Betonpleats is a modern agricultural company with dairy farming, bio-energy and wind energy installations. For the storage of food for both the dairy cattle and the bio-fermentation unit, the company's has many trench silos and a large company site. Although the company is very clean there is always a lot of contaminated farmyard runoff during rain showers. The contamination has an average of 65 P.E. per year. To well absorb peaks during heavy rainfall the installation needs a large treatment capacity. What will mean a large buffering capacity for both the influent as the biological system. This is achieved by building an aeration unit in a ditch. The aeration unit will revitalize farmyard runoff by means of oxygen input and recirculation. This creates a biological degradation process. The aeration unit is applicable in many ways; you can apply the aerator unit in a ditch but also in ponds.

Wetterskip Fryslan is monitoring this project. They will use the results to a wider national survey within the Union of Water Boards.

If you want to know more about this issue, please contact our company. Or see our web <http://www.afmitech.nl/beluchting.html>.

To learn more about the Betonpleats then check the website [www.betonpleats.nl](http://www.betonpleats.nl).

