

## Covers for steel and concrete slurry stores

### Environmental Benefits

Many environmental and practical benefits result from the use of covers on both new and some existing slurry stores. Odours from the store are significantly reduced and ammonia losses will also be reduced by 80% to 90%. Rainwater falling onto the store can be disposed of through a clean water system rather than being added to the store contents. This reduces the land area required for spreading, which further reduces the risks of causing water pollution and odour nuisance.

The saving in store size can be in the order of 15% to 25% depending on local rainfall and the volume of slurry to be stored. Covers can significantly reduce the environmental impact of both new and existing slurry stores.

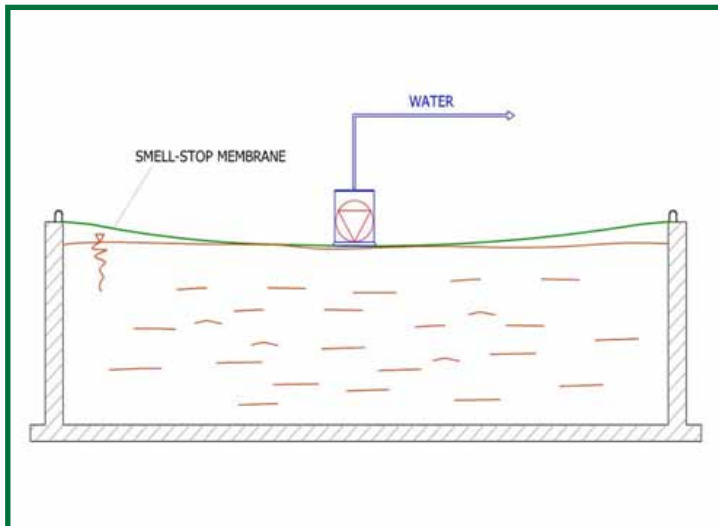
### Financial Benefits

- In areas of medium to high rainfall, fitting a cover will significantly reduce the size of tank required. This will save some of the cost of adding the cover.
- If extra storage capacity is required, then fitting a cover can be an economic option rather than extending the existing store.
- The overall quantity of slurry to be spread is reduced but the quality in terms of nutrient content is increased. This results in significant savings in labour and equipment.
- Slurry management is easier as exceptionally high rainfall events have far less effect on slurry volume.
- Improved odour and ammonia control may allow sites to be developed that are otherwise unacceptable.
- There is the potential to collect and use the clean water run off from the cover to save on water costs.

## Floating Covers (rise and fall with the sludge level)



## Anchored Covers



Biogas Products Ltd, Unit G, Grazebrook Industrial Estate, Peartree Lane, Dudley. DY2 0XW  
Tel: 01384 458 366 • Fax: 01384 458 052

[info@biogasproducts.co.uk](mailto:info@biogasproducts.co.uk) • [www.biogasproducts.co.uk](http://www.biogasproducts.co.uk)