

Toluol-Decomposition Slaughterhouse Comeco, Meer, Belgium



Slaughterhouse Comeco
<http://www.comeco.be/nl>

Operation
1 sewage water basin 250 m³
with OLOID Type 400

Period
Since 2005

Success
Low energy cost

No sedimentation

Problem

The waste water of the slaughterhouse is stored in a basin of approximately 250 m³. The waste water is loaded with big quantities of particles, this was leading to a sedimentation and the formation of sludge at the bottom of the reservoir. Due to anaerobic decomposition toluene was formed in the sediment. The toluene containing sediment was mechanically removed and treated as hazardous waste, which caused high costs.

Solution with the OLOID Technology

One OLOID Type 400 was installed in the storage basin, with the following benefits:

- The OLOID is able to homogenise the content of the reservoir
- No sediment is formed
- No anaerobic decomposition and no formation of toluene takes place
- The waste water can be disposed directly via the waste water treatment plant
- No more hazardous waste is produced and no more costs for its disposal

Key benefits of the OLOID

- Minimum power consumption of only 200 W (OLOID Type 400 A)
- Very easy installation due to floaters
- OLOID can be installed in reservoirs with varying water levels (the OLOID is always floating on the surface)
- Possibility to retrofit existing applications without the need of structural measures
- Low maintenance intervals
- Mixing, circulating and aerating with the same device
- perfect homogenisation of the media

Summary

By the use of one OLOID Type 400 A and with a minimum power requirement of only 200 W it was possible to homogenise the waste water and to avoid the sedimentation and the subsequent formation of toluene. The waste water can now be disposed economically and no more sludge have to be removed and to be disposed.