

CASE STUDY

TREATMENT OF ODOUR IN A DAIRY PLANT THROUGH THE ADDITION OF BCP80 AND STIMULUS

BACKGROUND

A Southern Ontario dairy plant used a DAF to clean the wastewater of contaminants. The sludge was scraped from the back of the DAF into a hopper, which was then pumped, to a holding tank. The tank was then emptied once per week.

The tank was vented at the top and as the sludge was pumped into the tank the displaced air was forced out the top. The resulting odors from the sludge caused complaints from neighbors and fear of product contamination especially during the summer months.

The treatment process was a continual feed of diluted STIMULUS and a daily addition of BCP80 to the sludge prior to the tank.

DISCUSSION

The treatment commenced in December 2004 and has run continuously since. The tank now has no odor when it is being filled or emptied. The summer of 2005 saw record temperatures and through this, the treatment continued to work and the plant experienced no odor issues or complaints.