

CASE STUDY

SLUDGE AND ODOUR REDUCTION A MEAT PACKING PLANT THROUGH THE ADDITION OF BCP80 AND STIMULUS

BACKGROUND

A Southern Ontario meat packing plant uses a DAF to clean the wastewater of contaminants. The sludge is scraped from the back of the DAF into a hopper that is then pumped to a holding tank. The tank was then emptied once per week. The sludge in the tank prior to treatment was difficult to handle as it would become thick and hard. The resulting odors from pumping the sludge tank caused complaints from the neighbors.

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 tank was emptied before the treatment was commenced. The products were fed according to instructions and the tank was drained of water 2-3 times per week. The water drained off the bottom of the tank was run until no longer clear. The tank did not have to be pumped out until 3 weeks after the start of the program. The resultant sludge was much easier to handle for the hauling company and the odor was significantly reduced. The complaints from the neighbors about the smell from the sludge have been eliminated.

The savings in haulage costs in the first few months more than paid for the annual treatment costs. While not having a tangible dollar value, the reduction in odors significantly reduced manpower required to handle the odor complaints and has increased goodwill.