



ENGLISH DUCK PRODUCER

A client in County Monaghan, UK, has been producing ducks for a number of years. The ducks are housed in cages with droppings going through a wire mesh to a holding tank below. Slurry thus produced is transferred to an effluent treatment plant prior to discharge.

The slurry had poor flow characteristics, preventing easy flow to the treatment plant. Previously the slurry had been washed out with water to help keep it liquid. The plant wished to increase its capacity to 40,000 ducks per week, although it was feared the extra throughput coupled with the wash water was likely to overload the treatment plant. Therefore there was a need to improve the suspended solids and reduce the amount of effluent produced.

Treatment began with 25 liters of Micro-Bac added to each of the two houses, both containing about 6500 ducks. Afterwards, 4 liters per week was added to the slurry in each house.

The treatment with Micro-Bac resulted in a more liquid slurry, and eliminated the need to use wash water to keep the slurry flowing. Suspended solids were also improved, which led to more efficient handling of the waste, enabling the plant to cope with extra capacity without resort to greater capital input.