



Odour Reduction in Waste Water Systems by Expel Bacteria.

Introduction:

The control of odours in industrial waste water systems is a problem throughout the world. The enzyme producing bacteria grown for Ag-Scent Laboratories are currently used in numerous waste water systems to control odours. The following is a summary of odour control in three different waste water systems treated with Ag-Scent's bacteria.

Odour Reduction in a Slaughterhouse:

This slaughterhouse utilized a 165m³-settling tank to treat the plant's wastewater. The tank was pumped and cleaned every two months. During the two month period between cleaning, the odour became unbearable. At the first sign of odour, 60kg of a ready-to-use product made with 10% Ag-Scent BCC + Enzymes was applied to the holding tank. The odour was controlled to the satisfaction of the customer for the two month period between cleaning. This treatment continues to be used between cleaning to control doors.

Odour Reduction in a Meat Processing Plant:

The waste water treatment system in this plant consisted of two - 2m³ settling basins. The basins were connected in series. The client was seeking a remedy for the odour emanating from the basins. An application of 280g of a ready-to-use product made with 10% Ag-Scent BCC + Enzymes was applied to the first settling basin on a daily basis. After one month of application, the doors were reduced to an acceptable level. For continued odour control, the treatment was continued at 280g/day.

Odour Reduction in a Wood and Pulp Plant:

This Waste Water Treatment System was comprised of a 4m³-receiver tank and a 8m³ recirculating tank. A ready-to-use product made with 10% Ag-Scent BCC + Enzymes was applied to each tank on a weekly basis. The doses were 0.5kg/week and 1kg/week for the 4m³ and 8m³ tank, respectively. After 8 days of treatment, the odour was reduced in the system to an acceptable level. The treatment continues to be added at the rate described above.

Summary:

The examples given above demonstrate the ability of Ag-Scent's bacteria to control odours in industrial waste water systems. In the three cases described, Ag-Scent's products continue to be used to maintain odour control. In addition, Ag-Scent's bacteria are used in many waste water systems for the reduction of biochemical oxygen demand (BOD), total suspended solids (TSS) and fat, oil, and grease (FOG).

All we need are the system volumes and a completed evaluation sheet and we can help with your tough problems

Biotronics Limited

Unit 1, Moreton Farm, Moreton Eye, Leominster, HR6 0DP, UK

Telephone +44 (0)1568 612402 Fax: +44 (0)1568 616088 e-mail: sales@biotronics.net

Web: www.biotronics.net