

Type of waste:
Odour

Client/ Location:
Liffey Meats, Co Cavan, Ireland.

The project:

Liffey Meats is a meat processing facility in Southern Ireland and is one of Europe's largest abattoirs, currently processing around 2000 cows per day. The large volume of waste including animal faecal matter and abattoir washings end up in their onsite waste water treatment plant. This facility suffers from significant odour issues as the waste type is pungent, the lagoon systems are open and the weather conditions can make the waste noxious. The client was receiving increasing numbers of local complaints; in order to control these odours Liffey Meats have chosen the Advetec Airstream system to mitigate all smells and odours from the site. The clients previous attempts using scented products to mask the smell caused more issues than the original odours; the plant extract used in the ODR8 technology has no harmful chemicals and is an affordable environmentally friendly alternative.



Objectives:

The client wanted to significantly reduce or eliminate the odour from their waste water treatment to improve conditions on site for employees and visitors, while also satisfying the increasing concerns and complaints from local residents.



Implementation:

Seven ODR8 Airstream units were installed around the treatment lagoons to combat the major source of the odour. The fans (featured in the pictures) have an internal timer which switches them on during peak hours. The Advetec ODR8 uses negatively charged ionic plant extract which binds with the vapour and neutralises the odour; a more effective method than trying to mask or disperse the odour.

Results:

The ODR8 system implemented at this location completely removed the pungent odour from their waste storage lagoons. Since the installation in June 2012 there has not been any more complaints from the local community, achieving the clients initial aims.

Summary:

The Advetec OD8 Airstream system resulted in a significant air quality improvement at the meat processing facility by removing the odour by neutralisation. The success of the Advetec odour control technology at this location resulted in **Liffey Meats purchasing Advetec Airstream systems for all 3 of their Southern Ireland sites.**

