

CASE STUDY

Odour Control For Warren Emerald Biogas Facility.

Issue

Exeon were asked to provide an odour control system handling 54,000m³/hr for a Biogas facility for Warren Emerald, in Newton Aycliffe.

The site had a new building for additional processing activities, but the original building was to be retained and original ductwork utilised if possible.

Odour threshold was 1,000 odour units.

Additional monitoring requirements were temperature, humidity and live airflow read-outs.

The site was in a sensitive area so acoustic treatment had to be considered for the Extract fans.

Solution

- Exeon supplied and installed a Hi-Flo™ Odour control system with integral fans for acoustic control, and ducted discharge stack.
- The Extract ductwork was designed in a way which utilised the original ductwork.
- The project was instructed late but system was installed within 16 weeks of order so met the original programme.
- Noise levels were within limits.
- Odour has not been live tested yet but initial chemical trials suggested this certainly will not be a problem.

Customer Testimonial

