



Type of project: Odour Reduction Consultancy

Sector: Bioethanol / Renewable Fuels

Client: Ensus

Location: Teeside, UK

Technology: Starch Fermentation

Capacity: 300,000 tpy ethanol production

Date: 2010

Overview: During chemical commissioning of the plant, the DDGS driers were found to cause an odour pollution problem. This resulted in a large number of neighbour complaints and intervention from the Environment Agency.



Otto Simon were engaged by Ensus to carry out technical analysis of the odour issue and to develop a long term solution to the problem.

Deliverables: Design and supervision of odour monitoring trials
Technical and regulatory literature review.
Co-ordination of odour monitoring with dispersion modelling.
Development of performance specifications for alternative abatement technologies.
Managing plant trials of abatement technologies
Representing Ensus in discussion with the EA
Production of report detailing odour issues and appraising abatement techniques.
Recommendation of abatement techniques and preferred vendors.

Status: Report issued and technical solution recommended within the EA's deadline. A Regenerative Thermal Oxidiser has since been installed and successfully tested.