

CASE STUDY

Waste Handling

ODOUR TREATMENT AND VENTILATION FOR WASTE TREATMENT PLANT

ISSUE

A refuse processing plant in Kent was suffering from poor air quality and high temperatures internally. The EHO would not allow untreated extraction to outside due to the high odour intensity within the building.

SOLUTION

Exeon designed and installed an odour extraction system with extract grills located as closely as possible to the particulate source for maximum removal. This enabled the air change rate to be reduced to 3 (from the suggested 4) which has the dual benefit of lower energy consumption and less heat loss.

Air quality was drastically improved following the installation, both in regards to temperature and air particulate.

The extracted air was filtered before discharge, to remove both odour and particulate. The filter unit succeeded in removing both 99% + of particulate and also complying with the maximum odour limits level as stipulated by the EHO.

PROJECT VALUE

£150,000

Ref: C125300

