



ENVIRONMENT
AGENCY

Permit with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Canwick Waste Treatment Centre

Alpheus Environmental Limited
Washingborough Road
Canwick
Lincolnshire
LN4 1EF

Permit number

MP3135MD

Canwick Waste Treatment Centre

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Introductory note

This introductory note does not form a part of the permit

The main features of the installation are as follows.

The installation is operated by Alpheus Environmental Limited at its site at Washingborough Road, Canwick, Lincolnshire. The installation treats non-hazardous aqueous and hazardous (including oil in water) wastes which are delivered in bulk road tankers by registered waste carriers on behalf of the waste producers. Around 15,000 tonnes per year of wastes are treated. Operational hours permitted under the current Waste Management Licence are 07.30 to 18.00 Monday to Friday and 07.30 to 14.00 Saturday and Sunday.

Subject to procedures to confirm that wastes meet acceptance parameters, wastes are offloaded from road tankers into tanks located within a bunded treatment area. Tanker offloading takes place on an adjacent area of hardstanding. The treatment process comprises gross solids screening, oil and water separation and wastes blending.

Batches of waste are offloaded into a primary receipt tank, via the screening stage to remove gross solids such as pieces of plastic and wood, rags and nuts and bolts. Waste from the primary receipt tank is fed to a plate separator which removes any oil in the waste, which is transferred to a separated oil storage tank, prior to being dispatched off-site for further processing for use in energy generation. The quantity of oil separated is dependant on the wastes received for treatment but generally totals around 10 tonnes per year. Aqueous waste from the separator is transferred to the final waste blending tank prior to being discharged to the neighbouring Anglian Water Canwick sewage treatment works (STW) as trade effluent. Batches of wastes not containing waste oils may also be offloaded into a final waste blending tank, bypassing the oil and water separation stage. Blending of batches of waste is carried out in the primary receipt tank to optimise the performance of the separator by maintaining, as far as possible, a homogenous waste feed to it. Blending is also carried out in the final waste blending tank, where aqueous waste from the separator is mixed by an internal mixer with settled sludge from the separator and with wastes offloaded directly from tankers to ensure, as far as possible, a homogenous effluent to the sewage treatment works. Excess sludge which cannot be discharged as suspended solids to the STW is disposed of off-site for further treatment.

Emissions to air from the installation comprise breathing losses from the treatment plant items. No odour complaints have been received regarding the activities undertaken at the installation. Treated aqueous waste discharged to the Anglian Water STW is subject to a trade effluent discharge agreement. STW treated effluent is discharged to the River Witham, 350 m north of the installation. There are no discharges directly to surface water from the installation. There are no point source emissions to groundwater from the installation.

Energy use in the installation is not significant and consists of electricity, primarily for pumps in the treatment plant. The operator does not hold a Climate Change Levy Agreement or a Direct Participation Agreement in the Energy Trading Scheme.

There is one Site of Special Scientific Interest (SSSI) within 2 km of the site, Greetwell Hollow Quarry, located around 1400 m north of the installation. This is a site of geological importance because of Lincolnshire Limestone rock formations and ammonite fossils contained therein. The operation of the installation is not likely to have an effect on the integrity of this SSSI.

The operator's environmental management system is externally certified to ISO 14001:2004.

Status Log of the permit

Detail	Date	Response Date
Application MP3135MD	Duly made 31/01/07	
Additional Information Received		28/03/07
Additional Information Received		24/05/07
Permit determined	29/04/08	

Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation

Holder	Reference Number	Date of Issue	Fully or Partially Superseded
Alpheus Environmental Limited	L231	18/10/93	Fully superseded
Alpheus Environmental Limited	BR4675	06/03/03	Fully superseded

The waste management licence shall cease to have effect if and to the extent that treatment, keeping or disposal of waste authorised by the licence is authorised by this permit.

End of Introductory Note

Permit

Permit number

MP3135MD

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby authorises **Alpheus Environmental Limited** ("the operator"),

whose registered office is

**Anglian House
Ambury Road
Huntingdon
Cambridgeshire
PE29 3NZ**

company registration number **02499491**

to operate an installation at

**Canwick Waste Treatment Centre
Washingborough Road
Canwick
Lincolnshire
LN4 1EF**

to the extent authorised by and subject to the conditions of this permit.

Signed	Date

Tom Ruffell
Permitting Team Leader
National Permitting Service - Nottingham

Authorised to sign on behalf of the Agency