



## Permit with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

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Basildon Waste Treatment Centre

Alpheus Environmental Limited  
Cautauld Road  
Basildon  
Essex  
SS13 1DB

Permit number  
EP3838MK

# Basildon Waste Treatment Centre Permit Number EP3838MK

## Introductory note

### ***This introductory note does not form a part of the permit***

The main features of the installation are as follows.

The installation covers an area of approximately 300m<sup>2</sup> and is located within Nevendon Sewage Works. The installation occupies a generally level area and includes three storage tanks four pumps and an oil separator, all enclosed within a bunded area.

Processes undertaken at the installation are as follows:

Treatment of oil contaminated water by plate separator;  
Waste water blending with water from the plate separator; and  
Waste water release direct to sewer.

Oil contaminated water is brought to the site entirely by tanker. Tanker deliveries continue throughout the day. From here, waste water in two separate streams according to its source, is pumped to different holding tanks (Oil reception and final blending tank.) Oil contaminated water is treated by a plate separator, with the oil going to a separated oil tank for off site energy recovery and the remaining liquid going to a final blending tank. The final blending tank discharges to sewer. Sludge collected from the plate separator is tankered off site for disposal.

The predominant emissions from the site are aqueous emissions of treated effluent to the adjacent sewage treatment works, as the installation does not have any point source releases to air or surface water.

Beyond the installation boundary is the Nevendon Sewage works. Beyond this, the area around the site is predominantly occupied by warehousing, with residential properties to the south, with the nearest approximately 130m away.

The installation is situated over land previously used for agricultural purposes. Sewage treatment operations at the Nevendon works began in 1956.

The installation is situated over a Drift, London Clay, with an approximate thickness of 125m, with Lower London Tertiaries and Chalk under these deposits. The Drift, Lower London Tertiaries and Chalk are classified by the Environment Agency as a minor aquifers.

The following European habitats sites are within 10km of the installation

- Essex Estuaries (SAC, located 6.4km from the installation );
- Crouch & Roach estuaries (Ramsar & SPA, located 6.4km from the installation);
- Benfleet & Southend Marshes (Ramsar & SPA, located 6.9km from the installation); and
- Thames Estuary & Marshes (Ramsar & SPA, located 9.6km from the installation).

### **Status Log of the permit**

Detail	Date	Response Date
Application EP3838MK	Duly made 31/01/07	
Permit determined	19/09/07	

<b>Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation</b>			
<b>Holder</b>	<b>Reference Number</b>	<b>Date of Issue</b>	<b>Fully or Partially Superseded</b>
Alpheus Environmental Limited	WML 301/94	21/03/97	Fully Superseded

End of Introductory Note

**Permit**

Pollution Prevention and Control  
(England and Wales) Regulations 2000

## Permit

Permit number  
**EP3838MK**

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 **2499491**

to operate an installation at

**Basildon Waste Treatment Centre  
Cautauld Road  
Basildon  
Essex  
SS13 1DB**

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

Signed	Date
	19/09/07

**P Butler**

**Authorised to sign on behalf of the Agency**