

# Permit with introductory note

## The Environmental Permitting (England & Wales) Regulations 2010

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Andigestion Limited

Wingmoor Farm East AD Facility

Stoke Road

Bishop's Cleeve

Cheltenham

Gloucestershire

GL52 7DG

### **Permit number**

EPR/SP3132VU

# Wingmoor Farm East AD Facility

## Permit number EPR/SP3132VU

### Introductory note

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

The main features of the permit are as follows: The facility is located approximately 2 km to the west of Bishops Cleeve at grid reference SO 93765 27005 and is within the Grundon Landfill site. It is bounded to the north, east and west by the landfill site. A railway line is located south west of the facility.

The facility will process up to 34,000 tonnes per annum of biodegradable waste and will comprise the following operations:

- anaerobic digestion plant
- combustion plant – consisting of two combined heat and power (CHP) engines and an emergency flare
- storage areas (tanks and lagoons)

Biodegradable waste will be delivered to the site in vehicles and will be deposited in an enclosed waste reception building fitted with odour abatement. The waste will be pre-treated and pumped into the digesters where it undergoes digestion.

Biogas drawn from the digesters will be used to generate electricity and heat from the two CHP engines with an aggregated thermal input of 4.7 MW. The majority of the electricity produced will be fed into the National Grid with some being used at the facility. The heat produced from the engines will be recovered via heat exchangers and integrated in the process heating requirements including the pasteurisation of waste as required by the Animal By-Products Regulations.

The by-product from the process (whole digestate) will be stored in a covered lagoon prior to despatch off-site as fertiliser. This permit does not authorise the spreading of digestate on land.

Main releases to air are via combustion of biogas and odour emissions from the processing of waste. Uncontaminated site surface water will be directed to a clean water lagoon and re-used in the AD facility. The site is provided with secondary containment constructed in line with industry best practice standards to reduce the impact of pollution to surface and groundwater. Assessment by the Environment Agency shows that emissions from site activities are unlikely to have a significant impact on human and ecological receptors.

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

| Status log of the permit |                       |   |
|--------------------------|-----------------------|---|
| Description              | Date                  | Comments  |
| Application EPR/SP3132VU | Duly made<br>12/05/14 | Application for an anaerobic digestion facility including the combustion of biogas. |
| Additional information   | 07/07/14              | Additional information in relation to several aspects of the application.           |
| Additional information   | 11/07/14              | Additional information regarding odour abatement system.                            |
| Permit determined        | 24/07/14              | Permit issued to Andigestion Limited.   |

End of introductory note

# Permit

## The Environmental Permitting (England and Wales) Regulations 2010

### Permit number

EPR/SP3132VU

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

**Andigestion Limited** (“the operator”),

whose registered office is

**7 Summerleaze Road**

**Maidenhead**

**Berkshire**

**SL6 8SP**

company registration number 01847506

to operate an installation described in standard rules SR2012 No11 at

**Wingmoor Farm East AD Facility**

**Stoke Road**

**Bishop's Cleeve**

**Cheltenham**

**Gloucestershire**

**GL52 7DG**

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

Under regulation 27(2) of the Regulations, standard rules SR2012 No11 are conditions of this permit.

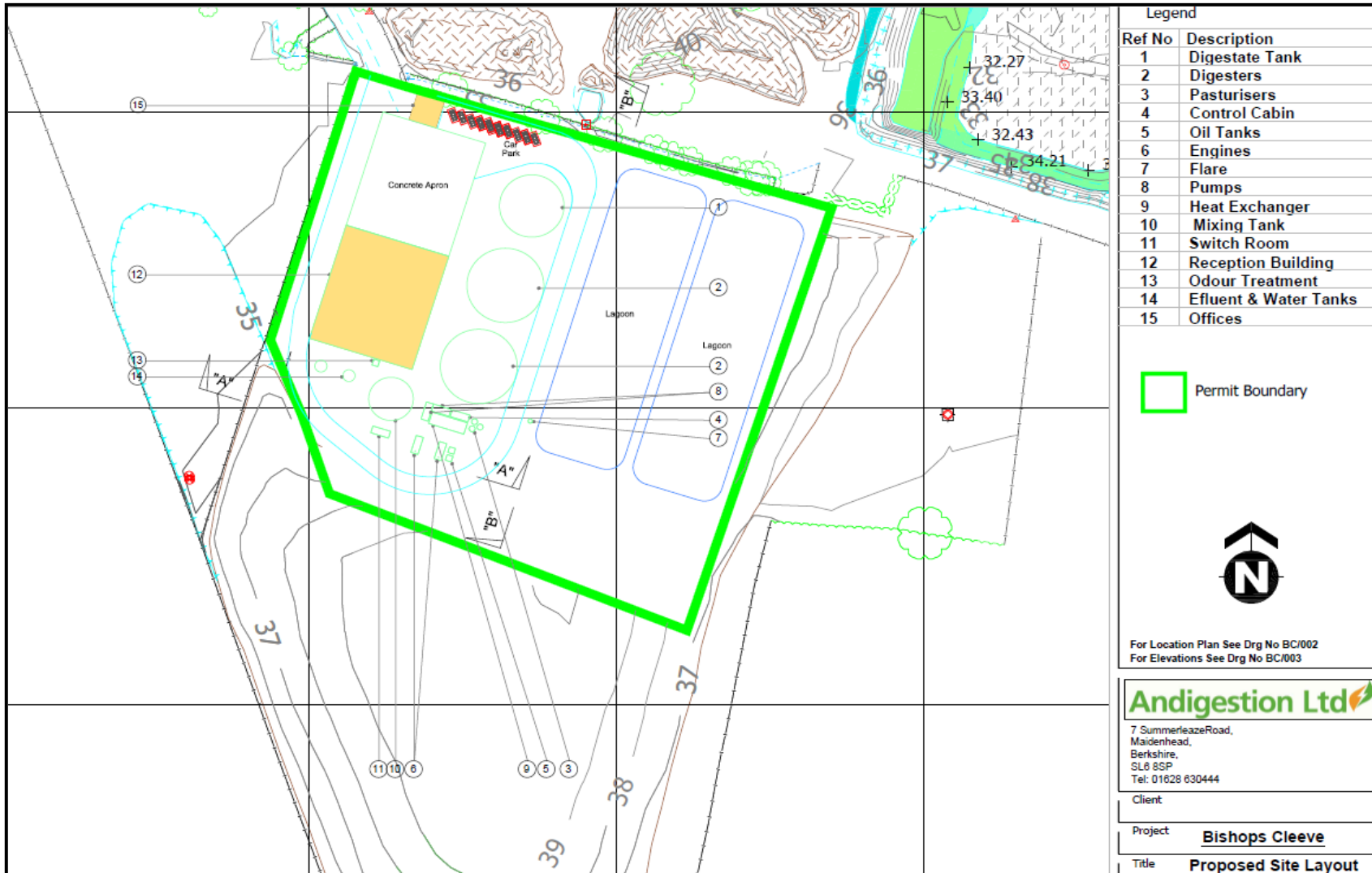
| Name           | Date       |
|----------------|------------|
| Thomas Ruffell | 24/07/2014 |

Authorised on behalf of the Environment Agency.



# Schedule 1 – Site plan

This is the plan referred to in the standard rules SR2012 No11.



END OF PERMIT.