

# Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

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Alpheus Environmental Limited  
Basildon Waste Treatment Centre  
Courtauld Road  
Basildon  
Essex  
SS13 1DB

**Variation application number**

EPR/EP3838MK/V003

**Permit number**

EPR/EP3838MK

# Basildon Waste Treatment Centre

## Permit number EPR/EP3838MK

### Introductory note

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

The following notice gives notice of the variation and consolidation of an environmental 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 is separated into two separate streams according to its source and is then 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 storage tank for off-site energy recovery and the remaining liquid effluent going to the blending tank.

The final blending tank accepts non-hazardous wastes as well as the final water from the oil separation process. The sludges and solids within the non-hazardous waste settle to the bottom of the tank the water is then discharged to sewer. Sludges and solids collected from the system are taken off-site for disposal.

The predominant emission from the site is treated effluent sent to the adjacent sewage treatment works. The installation does not have any other 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).

We have varied the permit after an application from the operator to introduce the following changes:

- Update the permit to modern conditions;
- Consolidate the original permit and subsequent variations into one document;
- Include additional operating techniques for a new final effluent tank;
- Increase the site boundary to accommodate the new final tank; and
- Vary Table S1.1 to fix a mistake made to the listed schedule activities under a previous variation.

The schedules specify the changes made to the permit.

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

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application received EPR/EP3838MK/A001	Duly made 31/01/07	Application for a waste treatment facility.
Permit determined EPR/EP3838MK	19/07/07	Original permit issued to Alpheus Environmental Limited.
Variation determined EPR/EP3838MK/V002	04/12/13	Agency variation to implement the changes introduced by IED.
Variation application EPR/EP3838MK/V003	Duly made 14/07/14	Variation to extend the site boundary and introduce a final effluent tank.
Variation determined EPR/EP3838MK/V003 (Billing Ref: EPR/KP3931VF)	08/10/14	Variation issued.

End of introductory note

# Notice of variation and consolidation

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

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

### Permit number

**EPR/EP3838MK**

### Issued to

**Alpheus Environmental Limited** (“the operator”)

whose registered office is

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

company registration number 2499491

to operate a regulated facility at

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

to the extent set out in the schedules.

The notice shall take effect from 08/10/2014

<b>Name</b>	<b>Date</b>
<b>Thomas Ruffell</b>	<b>08/10/2014</b>

Authorised on behalf of the Environment Agency

## **Schedule 1**

The following conditions were varied as a result of the application made by the operator:

- Table S1.2 as referenced by condition 2.3.1 has been amended to include additional operating techniques; and
- The site plan as referenced by condition 2.2.1 has been amended to increase the site boundary

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

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

### Permit number

**EPR/EP3838MK**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/EP3838MK/V003 authorising,

**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  
Courtauld Road  
Basildon  
Essex  
SS13 1DB**

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

Name	Date
Thomas Ruffell	08/10/2014

Authorised on behalf of the Environment Agency

# Conditions

## 1 Management

### 1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
  - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme or other approval issued by the Environment Agency.

### 1.2 Energy efficiency

- 1.2.1 For the following activities referenced in schedule 1, table S1.1. The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
  - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
  - (c) take any further appropriate measures identified by a review.

### 1.3 Efficient use of raw materials

- 1.3.1 The operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
  - (b) maintain records of raw materials and water used in the activities;
  - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
  - (d) take any further appropriate measures identified by a review.

### 1.4 Avoidance, recovery and disposal of wastes produced by the activities

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
  - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
  - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

## **2 Operations**

### **2.1 Permitted activities**

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the "activities").

### **2.2 The site**

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

### **2.3 Operating techniques**

- 2.3.1 For the following activities referenced in schedule 1, table S1.1 the activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table(s) S2.1, S2.2; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
  - (b) the composition of the waste;
  - (c) the handling requirements of the waste;
  - (d) the hazardous property associated with the waste, if applicable; and
  - (e) the waste code of the waste.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

### **Hazardous waste storage and treatment**

- 2.3.6 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.



## **2.4 Improvement programme**

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

## **3 Emissions and monitoring**

### **3.1 Emissions to water, air or land**

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

### **3.2 Emissions of substances not controlled by emission limits**

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
  - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

### **3.3 Monitoring**

- 3.3.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1 and S3.2;
- 3.3.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.3.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

- 3.3.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 and S3.2 unless otherwise agreed in writing by the Environment Agency.

### **3.4 Odour**

- 3.4.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

- 3.4.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
- (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

### **3.5 Noise and vibration**

- 3.5.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

- 3.5.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

### **3.6 Pests**

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

- 3.6.2 The operator shall:

- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## 4 Information

### 4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
  - (i) off-site environmental effects; and
  - (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

### 4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 For the following activities referenced in schedule 1, table S1.1, a report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production /treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

## 4.3 Notifications

- 4.3.1 The Environment Agency shall be notified without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
  - (b) the breach of a limit specified in the permit; or
  - (c) any significant adverse environmental effects.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and
  - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- Where the operator is a corporate body other than a registered company:
- (c) any change in the operator's name or address; and
  - (d) any steps taken with a view to the dissolution of the operator.
- 4.3.5 In the event:
- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
    - (i) inform the Environment Agency,
    - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
    - (iii) take the measures necessary to prevent further possible incidents or accidents;
  - (b) of a breach of any permit condition the operator must immediately—
    - (i) inform the Environment Agency, and
    - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
  - (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.6 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.7 In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.8 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.3.9 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

## **4.4 Interpretation**

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

## Schedule 1 – Operations

<b>Table S1.1 activities</b>		
<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity and WFD Annex I and II operations</b>	<b>Limits of specified activity and waste types</b>
S5.3 A(1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving one or more of the following activities by physico-chemical treatment	Blending and dewatering of waste oil; despatch for further treatment, including recovery activities R3 and R13.	From receipt of waste as specified in Schedule 2 table S.2.1 to dispatch of waste oil for recovery.
S5.6 A(1)(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in Sections 5.1, 5.2, 5.3	R13 Temporary storage of hazardous wastes pending any other recovery operation.	Reception and storage of oil contaminated waste prior to separation, including storage of wastes arising from treatment in a Plate Separator. Reception and storage of oil contaminated wastes and recovered oil shall not exceed 150 tonnes at any one time. Limited to wastes contained in Schedule 2 Table S2.1.
Section 5.4A(1)(a)(ii) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day by physico-chemical treatment	D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any operations numbered D1 to D12, including the storage of waste arising from the treatment process.	Reception, storage and settling of non-hazardous wastes as specified in Schedule 2, Table S2.2 prior to discharge to sewer.
<b>Directly Associated Activity</b>		
Sewer discharge	Discharge of waste waters to sewer.	Discharge of waste waters from the final blending tank.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application EPR/EP3838MK/A001	The response to section 2.1 and 2.2 in the application.	31/01/07
Application EPR/EP3838MK/V003	Basildon WTC Technical Summary, sections 2.2, 2.3 and 2.4. Basildon WTC Risk Assessment – Extended area including the final effluent tank and the portcabins.	14/07/14

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC1	<p>The operator shall ensure that a review of the design, method of construction and integrity of all bunds surrounding above ground tanks be carried out by a qualified structural engineer. This shall compare existing bunds against the standards set out in Section 2.2.5 of the Sector Guidance Note S5.06, CIRIA Report 163 on the Construction of Bunds for Oil Storage Tanks with a tank capacity of &lt; 25 m<sup>3</sup> (ISBN: 0 86017 468 9), and CIRIA Report 164 on Design of Containment Systems for the prevention of water pollution from industrial incidents, for tanks with a capacity of &gt; 25 m<sup>3</sup> (ISBN: 0 86017 476X).</p> <p>The review shall include:</p> <ul style="list-style-type: none"> <li>• the physical condition of the bunds,</li> <li>• their suitability for providing containment when subjected to the dynamic and static loads caused by catastrophic tank failure,</li> <li>• any work required to ensure compliance with the standards set out in CIRIA Reports 163 and 164 for reinforced concrete or masonry bunds, and</li> <li>• suggested preventative maintenance &amp; inspection regime.</li> </ul> <p>A written report of the review shall be submitted to the Environment Agency detailing the reviews findings and recommendations.</p> <p>Remedial action shall be taken to ensure all bunds meet the standards set out in the above documents and implement the maintenance and inspection regime.</p>	Completed
IC2	<p>The Operator shall ensure that a review the integrity of all storage tanks and site surfacing against the requirements of Sections 2.1.3 and 2.2.5 of the Sector Guidance Note S5.06 be carried out by a qualified structural engineer. The review shall identify any measures necessary to meet those requirements and propose a time scale for implementing them. A written report of the review shall be submitted to the Environment Agency detailing the reviews findings and recommendations.</p> <p>Remedial action shall be taken to ensure all tanks and surfacing meet the standards set out in the above documents and implement the maintenance and inspection regime.</p>	Completed
IC3	<p>A written cost benefit analysis (using the methodology given in Guidance Note H1 or equivalent) shall be submitted to the Agency for approval detailing the consideration of techniques to reduce the emissions of ammonia to sewer from release points S1, inclusive to benchmark levels as given in Sector Guidance Note S5.06.</p> <p>The analysis shall also include changes to the waste accepted at the installation and process controls.</p> <p>Where improvements are identified as being required the operator shall submit timelines for their implementation.</p> <p>The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the report.</p> <p>The report shall be implemented by the operator from the date of approval by the Agency.</p>	Completed
IC4	<p>The operator shall submit to the Agency a written report detailing</p>	Completed

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
	<p>improvements that have been made to the operator's Environment Management System. The improvements shall include:</p> <ul style="list-style-type: none"> <li>• The maintenance system shall include auditing of performance against the requirements of the Sector Guidance Note S5.06, section 2.3 and reporting to results of audits to top management;</li> <li>• The reports, results and recommendations arising from audits shall to be made available to senior management on a regular basis.</li> <li>• An assessment of training needs shall be carried out which identifies the posts for which specific environmental awareness training is needed and the scope and level of such training; and</li> <li>• Skills and competencies necessary for key posts shall be documented and records shall be maintained of training needs and training received for these posts.</li> </ul> <p>The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the report.</p> <p>The report shall be implemented by the operator from the date of approval by the Agency.</p>	
IC5	<p>The operator shall submit to the Agency a written report detailing improvements that have been made to the operator's Environment Management System. The improvements shall include:</p> <ul style="list-style-type: none"> <li>• The maintenance system shall include auditing of performance against the requirements of the Sector Guidance Note S5.06, section 2.3 and reporting to results of audits to top management;</li> <li>• The reports, results and recommendations arising from audits shall to be made available to senior management on a regular basis.</li> <li>• An assessment of training needs shall be carried out which identifies the posts for which specific environmental awareness training is needed and the scope and level of such training; and</li> <li>• Skills and competencies necessary for key posts shall be documented and records shall be maintained of training needs and training received for these posts.</li> </ul> <p>The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the report.</p> <p>The report shall be implemented by the operator from the date of approval by the Agency.</p>	Completed
IC6	<p>The operator shall submit to the Agency a written report detailing improvements that have been made to the operator's accident and emergency plan, to satisfy the requirements of Sector Guidance Note S5.06, section 2.8. The plan shall include, but not be limited to:</p> <ul style="list-style-type: none"> <li>• Assessment of floodwater hazards, the techniques to minimise the risk from flooding and contingency plans should flooding occur.</li> </ul> <p>The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the report.</p> <p>The report shall be implemented by the operator from the date of approval by the Agency.</p>	Completed
IC7	<p>The Operator shall install covers to all open topped tanks and vessels to address the BAT requirements highlighted in sections 2.1.3 and 2.2.5 of the Sector Guidance Note S5.06.</p> <p>A written report summarising the improvements made shall be submitted to</p>	Completed



<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
	<p>the Agency for approval.</p> <p>The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the plan.</p>	
IC8	<p>The Operator shall review current monitoring procedures against the requirements of MCERTS.</p> <p>A summary of the review shall be submitted in writing for the approval of the Environment Agency with a timetable for any identified improvements.</p> <p>The notification requirements of condition 2.4.2 shall be deemed to have been complied with on submission of the report.</p> <p>The improvements shall be implemented in accordance with this timescale from the date of approval with the Agency.</p>	Completed

## Schedule 2 – Waste types, raw materials and fuels

<b>Table S2.1 Permitted waste types and quantities for treatment by plate separator</b>	
<b>Maximum quantity</b>	Reception, treatment and storage of hazardous and non-hazardous wastes shall not exceed a combined total of 150 tonnes at any one time.
<b>Waste code</b>	<b>Description</b>
05 01 03*	tank bottom sludges
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
07 06 11*	sludges from on-site effluent treatment containing dangerous substances
12 03 02*	steam degreasing wastes
13 04 01*	bilge oils from inland navigation
13 04 02*	bilge oils from jetty sewers
13 04 03*	bilge oils from other navigation
13 05 02*	sludges from oil water separators
13 05 03*	interceptor sludges
13 05 06*	oil from oil/water separators
13 05 07*	oily water from oil/water separators
13 05 08*	mixtures of wastes from gilt chambers and oil/water separators
13 07 01*	fuel oil and diesel
13 07 03*	other fuels (including mixtures)
13 08 99*	wastes not otherwise specified (oil spillages, sewage contaminated with oil)
16 07 08*	wastes containing oil
16 10 01*	aqueous liquid wastes containing dangerous substances
19 07 02*	landfill leachate containing dangerous substances (Limited to oil contaminated wastes only, containing substances classified under hazard codes H5, H7, H14)
19 08 10*	grease and oil mixture from oil water separation other than those mentioned in 19 08 09
19 08 11*	sludges containing dangerous substances from biological treatment of industrial waste water(Limited to oil contaminated wastes only, containing substances classified under hazard codes H5, H7, H14)

<b>Table S2.1 Permitted waste types and quantities for treatment by plate separator</b>	
<b>Maximum quantity</b>	Reception, treatment and storage of hazardous and non-hazardous wastes shall not exceed a combined total of 150 tonnes at any one time.
<b>Waste code</b>	<b>Description</b>
19 08 13*	sludges containing dangerous substances from other treatment of industrial waste water (Limited to oil contaminated wastes only, containing substances classified under hazard codes H5, H7, H14)
19 11 03*	aqueous liquid wastes (Limited to oil contaminated wastes only, containing substances classified under hazard codes H5, H7, H14)
19 11 05*	sludges from on-site effluent treatment containing dangerous substances (Limited to oil contaminated wastes only, containing substances classified under hazard codes H5, H7, H14)
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances (Limited to oil contaminated wastes only, containing substances classified under hazard codes H5, H7, H14)

<b>Table S2.2 Permitted waste types and quantities for treatment by final blending tank</b>	
<b>Waste codes</b>	Reception, treatment and storage of hazardous and non-hazardous wastes shall not exceed a combined total of 150 tonnes at any one time.
<b>EWC Code</b>	<b>Description</b>
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
01 05 04	freshwater drilling muds and wastes
01 05 08	chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
02 01 01	sludges from washing and cleaning
02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
02 02 01	sludges from washing and cleaning
02 02 03	materials unsuitable for consumption or processing
02 02 04	sludges from on-site effluent treatment
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
02 04 03	sludges from on-site effluent treatment
02 05 01	materials unsuitable for consumption or processing

<b>Table S2.2 Permitted waste types and quantities for treatment by final blending tank</b>	
<b>Waste codes</b>	Reception, treatment and storage of hazardous and non-hazardous wastes shall not exceed a combined total of 150 tonnes at any one time.
<b>EWC Code</b>	<b>Description</b>
02 05 02	sludges from on-site effluent treatment
02 06 01	materials unsuitable for consumption or processing
02 06 03	sludges from on-site effluent treatment
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 04	materials unsuitable for consumption or processing
02 07 05	sludges from on-site effluent treatment
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03
04 01 07	sludges, in particular from on-site effluent treatment free of chromium
04 02 15	wastes from finishing other than those mentioned in 04 02 14
04 02 17	dye stuffs and pigments other than those mentioned in 04 02 16
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 13	boiler feedwater sludges
05 01 14	wastes from cooling columns
05 06 04	waste from cooling columns
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 02 03	aqueous suspensions containing ceramic materials
08 03 07	aqueous sludges containing ink
08 03 08	aqueous liquid waste containing ink

<b>Table S2.2 Permitted waste types and quantities for treatment by final blending tank</b>	
<b>Waste codes</b>	Reception, treatment and storage of hazardous and non-hazardous wastes shall not exceed a combined total of 150 tonnes at any one time.
<b>EWC Code</b>	<b>Description</b>
08 03 13	waste ink other than those mentioned in 08 03 12
08 03 15	ink sludges other than those mentioned in 08 03 14
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
08 04 12	adhesive and sealant sludges other than those mentioned in 08 04 11
08 04 14	aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 25	wastes from fuel storage and preparation of coal-fired power plants
10 01 26	wastes from cooling-water treatment
10 13 14	waste concrete and concrete sludge
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
16 07 99	wastes not otherwise specified aqueous liquid wastes not containing oil – that is, emergency storm water tanks, cleaning of tanks containing non hazardous liquid waste
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
16 10 04	aqueous concentrates other than those mentioned in 16 10 03
19 05 99	wastes not otherwise specified Compost waste waters
19 06 03	liquor from anaerobic treatment of municipal waste
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 07 03	landfill leachate other than those mentioned in 19 07 02
19 08 05	sludges from treatment of urban waste water
19 08 09	grease and oil mixture from oil/water separation containing edible oil and fats
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13

<b>Table S2.2 Permitted waste types and quantities for treatment by final blending tank</b>	
<b>Waste codes</b>	Reception, treatment and storage of hazardous and non-hazardous wastes shall not exceed a combined total of 150 tonnes at any one time.
<b>EWC Code</b>	<b>Description</b>
19 09 02	sludges from water clarification
19 09 03	sludges from decarbonation
19 09 06	solutions and sludges from regeneration of ion exchangers
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13 08	aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
20 01 08	biodegradable kitchen and canteen waste
20 01 25	edible oil and fat
20 03 02	Waste from markets
20 03 03	street-cleaning residues
20 03 04	septic tank sludge
20 03 06	waste from sewage cleaning

## Schedule 3 – Emissions and monitoring

<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
Vents from tanks and process vessels	Storage from tanks and process vessels	No parameters set	No limit set	-	-	-

<b>Emission point ref. &amp; location</b>	<b>Parameter</b>	<b>Source</b>	<b>Limit (incl. Unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
S1 on site plan in schedule 7 emission to Anglian Water Basildon Sewage Treatment Works	Flow rate	Process and rainwater from oil/water separator	None set	-	Continuously	To confirm to MCERTS standard
	Cadmium				Monthly flow-proportional composite samples of discharge	BS EN ISO5961:1995, BS 6068-2.21:1995
	Chromium					BS EN 1233:1997, BS 6068-2.38:1997
	COD					BS 6068-2.34:1988
	pH					BS 6068-2.50:1995, ISO 10523:1994
	Total hydrocarbon					SCA blue book 77 ISBN 0117517283

## Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Emissions to sewer, effluent treatment plant or other transfers off-site Parameters as required by condition 3.3.1	S1	Every 6 months	1 January, 1 July

<b>Table S4.2: Annual production/treatment</b>	
<b>Parameter</b>	<b>Units</b>
Oil contaminated waste treated	tonnes
Non-hazardous waste treated	tonnes
Disposal of recovered oil	tonnes

<b>Table S4.3 Performance parameters</b>		
<b>Parameter</b>	<b>Frequency of assessment</b>	<b>Units</b>
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Disposal of recovered oil	Annually	tonnes

<b>Table S4.4 Reporting forms</b>		
<b>Media/parameter</b>	<b>Reporting format</b>	<b>Date of form</b>
Sewer	Form sewer 1 or other form as agreed in writing by the Environment Agency	19/09/07
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	19/09/07
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	19/09/07
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	19/09/07



## Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

### Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

<b>(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution</b>	
<b>To be notified within 24 hours of detection</b>	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

<b>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be	

<b>(b) Notification requirements for the breach of a limit</b>	
<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
taken, to stop the emission	

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

## Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

<b>Name*</b>	
<b>Post</b>	
<b>Signature</b>	
<b>Date</b>	

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

### Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“Annex I” means Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Annex II” means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“disposal”. Means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

“groundwater protection zones 1 and 2” have the meaning given in the document titled "Groundwater Protection: Policy and Practice" published by the Environment Agency in 2006.

“hazardous property” has the meaning given in Schedule 3 of the Hazardous Waste (England and Wales) Regulations 2005 No.894 and the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138).

“hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 No.894, the Hazardous Waste (Wales) Regulations 2005 No. 1806 (W.138), the List of Wastes (England) Regulations 2005 No.895 and the List of Wastes (Wales) Regulations 2005 No. 1820 (W.148).

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

Pests” means Birds, Vermin and Insects.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

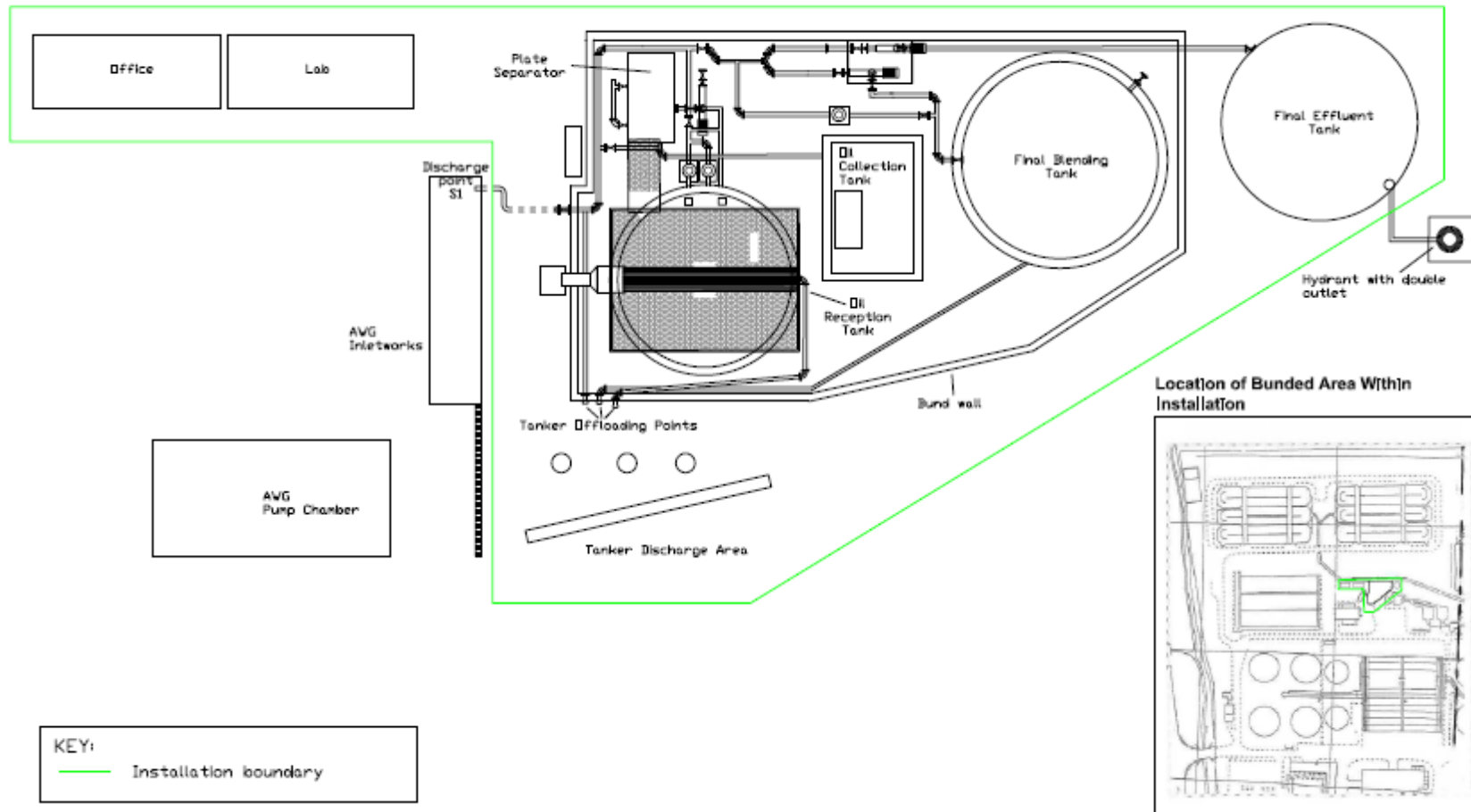
“year” means calendar year ending 31 December.

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- (a) in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- (b) in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

# Schedule 7 – Site plan



END OF PERMIT