

# Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

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Trade Effluent Services Limited

Hugmore House  
Hugmore Lane  
Llan Y Pwll  
Wrexham  
LL13 9YE

Permit number  
EPR/AB3434AD

# Permit number **EPR/AB3434AD**

## Introductory note

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

The main features of the permit are as follows.

The permit is for the storage and treatment (lime stabilisation) of wastewater derived sludge. The lime that will be used in the treatment operations shall consist of calcium oxide CaO (quicklime) and/or calcium hydroxide Ca(OH)<sub>2</sub> (hydrated or slaked lime).

The status log of the 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 EPR/AB3434AD/A0001	Duly made 03/08/11	Application for a bespoke mobile plant permit for lime stabilisation of wastewater sludge.
Additional information received	25/11/11	- Management plan – mobile plant for lime stabilisation of sludge - Amended copy of the management plan
Permit determined	02/12/11	Permit issued to Trade Effluent Services Limited

End of introductory note

# Permit

The Environmental Permitting (England and Wales) Regulations 2010

**Permit number**  
**EPR/AB3434AD**

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

***Trade Effluent Services Limited*** ("the operator"),

whose registered office is

**Hugmore House**  
**Hugmore Lane**  
**Llan Y Pwll**  
**Wrexham**  
**LL13 9YE**

company registration number **02587315**

to operate waste mobile plant to the extent authorised by and subject to the conditions of this permit.

Name	Date
<b>Hosne Jahan</b>	<b>02/12/2011</b>

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 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.

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

- 1.2.1 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.
- 1.2.2 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”).
- 2.1.2 Treatment activities under this permit shall not begin at any site until the Environment Agency has agreed a deployment form in writing for that particular site.

- 2.1.3 All process plant and equipment shall be commissioned, operated and maintained, and shall be fully documented and recorded, in accordance with the agreed deployment form

## **2.2 Operating techniques**

- 2.2.1 (a) 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.
- (b) 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 specified in schedule 1, table S1.2 or otherwise required under this permit, 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.
- 2.2.2 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.1 and
- (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.2.3 The total quantity of waste treated at any site shall not exceed that listed in schedule 2 table S2.1 and that stated in the agreed deployment form for that particular site.
- 2.2.4 Only those wastes listed in schedule 2 table S2.1 and the agreed deployment form can be stored and treated under this permit.

## **3 Emissions and monitoring**

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

- 3.1.1 There shall be no point source emissions to air, water or land, except from the sources listed in the agreed deployment form.
- 3.1.2 The limits given in the agreed deployment form shall not be exceeded.

### **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;

- (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 Odour**

- 3.3.1 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.
- 3.3.2 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;
  - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

### **3.4 Noise and vibration**

- 3.4.1 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.
- 3.4.2 The operator shall:
  - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan;
  - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency

### **3.5 Monitoring**

- 3.5.1 The operator shall undertake monitoring for the parameters, at the locations and not less than the frequencies specified in the agreed deployment form.
- 3.5.2 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.

## **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.

### **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 Within one 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:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

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.

4.3.5 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.

4.3.6 The operator shall notify the Environment Agency at least 7 days prior to commencement of agreed deployment.

4.3.7 The operator shall notify the Environment Agency at least 7 days prior to the end of agreed deployment.

## **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

**Table S1.1 activities**

Activity	Description of specified activity and operations	Limits of specified activity
Mobile plant for lime stabilisation of wastewater sludge	<p><b>R13:</b> Storage of wastes pending the operation numbered R3 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p><b>R3:</b> Recycling or reclamation of organic substances which are not used as solvents</p>	<p>The operator is permitted to use the following technology and associated plant necessary for treatment and associated storage:</p> <ul style="list-style-type: none"> <li>Plant for the storage and lime stabilisation of waste listed in table S2.1 using mobile plant consisting mixing or blending of lime to raise pH of sludge above 12.</li> </ul> <p>Secure storage of treated and untreated waste listed in table S2.1.</p> <p>The total quantity of waste to be stored on a site at any one time shall not exceed <b>3000 tonnes</b>.</p> <p>Waste shall be stored for no longer than 12 months</p> <p>Notify using appropriate deployment form.</p> <p>For each deployment, the activities <b>shall not</b> take place within:</p> <ul style="list-style-type: none"> <li>250metres from any dwelling or workplace</li> <li>10 metres from any watercourse</li> <li>50 metres of any spring or well, or of any borehole not used to supply water for domestic or food production purposes</li> <li>250 metres of any well, spring or borehole used to supply water for domestic or food production</li> <li>Groundwater Source Protection Zone 1.</li> </ul> <p>All liquid waste shall be stored within a secure container (including lagoons).</p> <p>No liquid waste is stored within 0.3 metres of the top of an open storage container or within 0.75 metres of the top of a lagoon.</p> <p>No activity shall take place within 250m of a European Site or a Site of Special Scientific Interest (SSSI).</p> <p>A site specific risk assessment must be agreed with the Environment Agency for operations with 500m of a European Site or Site of Special Scientific Interest (SSSI).</p>

**Table S1.2 Operating techniques**

Description	Parts	Date Received
Initial information	Application form and supporting document received by the Environment Agency on 29/06/2011	29/06/11
Additional information received in response to a Schedule 5 Notice	Management Plan – Mobile Plant for the Lime Stabilisation of Sludge received by the Environment Agency	25/11/11
Additional information received by email	Amended copy Management Plan - sent by email from Robert Piggott to Francis Nwafor	25/11/11

## Schedule 2 – Waste Types

<b>Table 2.1. Waste Types</b>	
<b>Waste Code</b>	<b>Description</b>
	<ul style="list-style-type: none"> <li>Not more than 100,000 tonnes of waste listed below shall be handled or treated in a year</li> </ul>
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>
<b>17 05</b>	<b>soils (excluding excavated soils from contaminated sites), stones and dredgings</b>
17 05 06	dredging spoil other than those mentioned in 17 05 05
<b>19</b>	<b>WASTE FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE</b>
<b>19 08</b>	<b>wastes from waste water treatment plants not otherwise specified</b>
19 08 05	sludges from treatment of urban waste water
<b>19 09</b>	<b>wastes from the preparation of water intended for human consumption or water for industrial use</b>
19 09 02	sludges from water clarification

## **Schedule 3 – Emissions and monitoring**

There are no emission limits or associated monitoring requirements. Emission limits and monitoring requirements will be set and agreed at the deployment stage.

## **Schedule 4 - Reporting**

There is no reporting under this schedule.

## 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	

#### **(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>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) Notification requirements for the breach of a limit**

<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 taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
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

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

*“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.

*“deployment form”* means the Environment Agency form that requires site specific information and control measures to be provided and agreed prior to the use of any mobile plant at a site.

*“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.

*“emissions to land”* includes emissions to groundwater.

*“groundwater”* means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

*“groundwater Source Protection Zone”* has the meaning given in the document titled “Groundwater Protection: Policy and Practice” published by the Environment Agency in 2006.

*“Pollution”* means emissions as a result of human activity which may—

- (a) be harmful to human health or the quality of the environment,
- (b) cause offence to a human sense,
- (c) result in damage to material property, or
- (d) impair or interfere with amenities and other legitimate uses of the environment.

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

*“R”* means a recovery operation provided for in Annex IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

*“secure storage”* means storage where waste cannot escape and members of the public do not have access to it.

*“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

## **Schedule 7 - Site plan**

No site plan is required under this schedule. Site plan will be submitted and assessed at the deployment stage.

END OF PERMIT