

# Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

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Jones Bros Ruthin (Civil Engineering)  
Company Limited

Moel y Faen Quarry  
Horseshoe Pass  
Llangollen  
Denbighshire  
LL20 8DR

Variation application number  
EPR/CP3594FE/V004

Consolidated Permit number  
EPR/CP3594FE

# Moel y Faen Quarry

## Permit number EPR/CP3594FE

### 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.

This is a former slate quarry which in 1994 acquired a Waste Management Licence (EAWML 37125) to operate the westernmost quarry void as a landfill for inert wastes. This inert landfill site has had definitive closure awarded on 14<sup>th</sup> May 2010. This site has also maintained a Registered Exemption under paragraph 9, covering the importation of selected inert waste materials for use in site restoration. This variation is to add a deposit for recovery site to the existing permit as it is no longer possible to obtain a paragraph 9 exemption.

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>
Licence issued GL46 (EAWML 37125)	23/09/94	
Varied GL46 (EAWML 37125)	22/03/99	Record kept of waste types received on site
Varied GL 46 (EAWML 37125)	31/03/03	Risk assessment
Application received EPR/CP3594FE/V004	Duly made 30/09/11	Application for variation with consolidation of inert landfill and extend area to include a waste for recovery site.
Variation determined EPR/CP3594FE/V004	12/03/12	Varied and consolidated permit issued in modern condition format.

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/CP3594FE**

**issued to**  
**Jones Bros Ruthin (Civil Engineering) Company Limited** (“the operator”)

whose registered office is

**Brickfield Lane**  
**Denbigh Road**  
**Ruthin**  
**Denbighshire**  
**LL15 2TN**

company registration number 00983459

to operate a regulated facility at

**Moel y Faen Quarry**  
**Horseshoe Pass**  
**Llangollen**  
**Denbighshire**  
**LL20 8DR**

to the extent set out in the schedules.

The notice shall take effect from 12/03/2012

**The number of the consolidated permit is EPR/CP3594FE**

Name	Date
<b>Andrew Turner</b>	<b>12/03/2012</b>

Authorised on behalf of the Environment Agency

**Schedule 1**

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

**Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

The Environmental Permitting (England and Wales) Regulations 2010

**Permit number**  
**EPR/CP3594FE**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/CP3594FE/V004 authorising,

**Jones Bros Ruthin (Civil Engineering) Company Limited** (“the operator”),  
whose registered office is

**Brickfield Lane**  
**Denbigh Road**  
**Ruthin**  
**Denbighshire**  
**LL15 2TN**

company registration number 00983459

to operate waste operations at

**Moel y Faen Quarry**  
**Horseshoe Pass**  
**Llangollen**  
**Denbighshire**  
**LL20 8DR**

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

Name	Date
<b>Andrew Turner</b>	<b>12/03/2012</b>

Authorised on behalf of the Environment Agency

# 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.

## 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 *For the following activities referenced in schedule 1, table S1.1 (A2)* The operator shall submit to the Environment Agency for approval any revisions to the waste recovery plan and shall implement the approved revised plan in place of the original from the date of approval.

## **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 (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.
- 2.3.2 *For the following activities referenced in schedule 1, table S1.1 (A2 & A3)* Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.1 and S2.2, and
- (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.3 *For the following activities referenced in schedule 1, table S1.1 (A2 & A3)* No waste shall be accepted for disposal at the site.
- 2.3.4 *For the following activities referenced in schedule 1, table S1.1 (A2 & A3))* The operator shall visually inspect:
- (a) without unloading it, waste that is not in an enclosed container or enclosed vehicle on arrival at the site; and
- (b) waste at the point of deposit.

and shall satisfy itself that it conforms to the basic characterisation documentation submitted by the holder.

## **2.4 Landfill Engineering**

- 2.4.1 *For the following activities referenced in schedule 1, table S1.1 (A1)* No construction of landfill infrastructure shall commence until the operator has submitted relevant construction proposals or a written request to use previous construction proposals and the Environment Agency has confirmed that it is satisfied with the construction proposals.

- 2.4.2 *For the following activities referenced in schedule 1, table S1.1 (A1)* The construction of the landfill infrastructure shall take place only in accordance with the approved construction proposals unless:
- (a) any change to the approved construction proposals would have no impact on the performance of any element of the design; or
  - (b) a change has otherwise been agreed in writing by the Environment Agency.
- 2.4.3 *For the following activities referenced in schedule 1, table S1.1 (A1)* The operator shall submit a CQA Validation Report as soon as practicable following the construction of the landfill infrastructure.
- 2.4.4 *For the following activities referenced in schedule 1, table S1.1 (A1)* Where pollution controls are immediately necessary to prevent an incident or accident, then conditions 2.4.1 and 2.4.2 do not apply and the relevant landfill infrastructure may be constructed, provided that the construction proposals are submitted to the Environment Agency as soon as practicable.
- 2.4.5 *For the following activities referenced in schedule 1, table S1.1 (A1)* For the purpose of conditions 2.4.1, the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the relevant construction proposals or CQA Validation Report, either:
- (a) confirmed whether or not it is satisfied; or
  - (b) informed the operator that it requires further information.
- 2.4.6 *For the following activities referenced in schedule 1, table S1.1 (A1)* Where the Environment Agency has required further information under condition 2.4.5(b), the Environment Agency shall be deemed to be satisfied where it has not, within the period of four weeks from the date of receipt of the further information, either:
- (a) confirmed whether or not it is satisfied; or
  - (b) informed the operator that it requires further information.

## **2.5 Waste acceptance**

- 2.5.1 *For the following activities referenced in schedule 1, table S1.1 (A1)* No waste shall be accepted for disposal at the site.

## **2.6 Closure and aftercare**

- 2.6.1 *For the following activities referenced in schedule 1, table S1.1 (A1)* The operator shall maintain a closure and aftercare management plan.

# **3 Emissions and monitoring**

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

- 3.1.1 *For the following activities referenced in schedule 1, table S1.1 (A1)* There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 table S3.1.

## **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 Noise and vibration**

- 3.3.1 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.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to 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.

## **3.4 Monitoring**

- 3.4.1 For the following activities referenced in table S1.1 (A1) The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring and any other actions for the parameters specified in the following tables in schedule 3 to this permit:
- Surface water specified in table S3.1; and

- 3.4.2 For the following activities referenced in table S1.1 (A1) 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, 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 (A1) 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 this permit against the relevant assumptions, parameters and results in the risk assessments submitted in relation to this site and any agreed amendments thereto;

- 4.2.3 For the following activities referenced in schedule 1, table S1.1 (A1) 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 S4.3; 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.

### **4.3 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.

## **4.4 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**

Reference	Description of activities for waste operations	Limits of activities
<b>A1</b>	<b>D1:</b> Deposit into or onto land	Management and monitoring of emissions from the closed landfill (e.g. suspended solids)
<b>A2</b>	<p><b>R13:</b> Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p><b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents</p> <p><b>R5:</b> Recycling/reclamation of other inorganic compounds</p>	<p>Recovery of waste (specified within Schedule 2 Table S2.1) for restoration</p> <p>The recovery activities shall not be carried out other than in accordance with the approved waste recovery plan.</p> <p>Total maximum quantity of waste accepted at the site 360,000 tonnes</p>
<b>A3</b>	<p><b>R13:</b> Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p><b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents</p> <p><b>R5:</b> Recycling/reclamation of other inorganic compounds</p> <p><b>R10:</b> Land treatment resulting in the benefit to agriculture or ecological improvement</p>	<p>Storage of wastes (specified within Schedule 2 Table S2.1 &amp; Table S2.2) pending recycling by mechanical treatment (crushing, screening and blending) using mobile plant (aggregate production).</p> <p>The storage of waste (specified within Schedule 2 Table S2.1 &amp; Table S2.2) for the purpose of recycling (permitted mobile plant operation only).</p> <p>Maximum storage limit 100,000 tonnes</p>

**Table S1.2 Operating techniques**

Description	Parts	Date Received
Application	Sections 3a, and 3b of the application document in response to section 3a – technical standards , Part C4 of the application form	13/10/11
Application	Waste Recovery Plan September 2011 ref: 2717/11/ST2a (REV 2 dated 27/09/2011)	13/10/11

## Schedule 2 - List of permitted wastes

**Table S2.1 Permitted waste types and quantities for restoration**

Maximum quantity	Total quantity of waste accepted at the site shall be 360,000 tonnes.
Exclusions	No waste from contaminated sites shall be accepted at this site
<b>Waste code</b>	<b>Description</b>
<b>01</b>	<b>Wastes Resulting from Exploration, Mining, Quarrying, and Physical and Chemical Treatment of Minerals</b>
01 01	Wastes from mineral excavations
01 01 02	Wastes from non-metalliferous excavation
01 04	Wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	Waste gravel and crushed rocks other than those containing dangerous substances
01 04 09	Waste sands and clay
<b>17</b>	<b>Construction and Demolition Wastes (including excavated soil from contaminated sites)</b>
17 01	Concrete, bricks, tiles and ceramics
17 01 01	Concrete
17 01 02	Bricks
17 01 03	Tiles and ceramics
17 01 07	Mixtures of concrete, bricks, tiles and ceramics
17 05	Soil (including excavated soil from contaminated sites) stones and dredging spoil
17 05 04	Soils and stones
<b>19</b>	<b>Wastes 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>
19 12	Wastes from the mechanical treatment of wastes (for example sorting, crushing, compacting, pelletising) nor otherwise specified
19 12 09	Minerals (for example sand, stones)
19 12 12	Soil substitutes other than that containing dangerous substances only
<b>20</b>	<b>Municipal Wastes (Household waste and similar commercial, industrial and institutional wastes) Including separately collected fractions</b>
20 02	Garden and park wastes (including cemetery waste)
20 02 02	Soil and stones

**Table S2.2 Permitted waste types and quantities for recycling only (aggregate production)**

Maximum quantity	Total quantity of waste accepted at the site shall be less than 25000 tonnes per year.
<b>Waste code</b>	<b>Description</b>
<b>17</b>	<b>Construction and Demolition Wastes (including excavated soil from contaminated sites)</b>
17 03	Bituminous mixtures, coal tar and tarred products
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01

## Schedule 3 – Emissions and monitoring

**Table S3.1 Surface water – other monitoring requirements**

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
SW 7	Ammoniacal nitrogen	Four times per year for 2 years to establish a baseline.	Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water LFTGN02	Monitoring undertaken in November
SW 8	Chloride			
SW 3	PH	Twice per year thereafter		February
	Sulphate			
SW 4 As shown on plan 2717/41r03 dated January 2012	TPH			May
	Arsenic			
	Cadmium			
	Copper			
	Nickel			
	Zinc			
	Lead			
	Mercury			
Selenium				
SW 1	Suspended Solids	Bi-annual	Guidance on Monitoring of Landfill Leachate, Groundwater and Surface Water LFTGN02	Monitoring undertaken in spring and late autumn following sustained rainfall
SW 2				
SW 3				
SW 4				
SW 5				
SW 6				
As shown on plan 2717/41r03 dated January 2012				

## Schedule 4 - Reporting

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

**Table S4.1 Reporting of monitoring data**

Parameter	Emission or monitoring point/reference	Monitoring frequency	Period begins
Surface water	WMP 1-6	1 Jan – 28 Feb	1 January, 1 July
Parameters as required by condition 3.4.1		1 July – 31 Aug	

**Table S4.2: Annual production/treatment**

Surface water and/ or groundwater: Disposed of off site; Disposed of to any onsite effluent treatment plant.	Cubic metres/year

**Table S4.3 Reporting forms**

Media/parameter	Reporting Format	Date of Form
Controlled water	Form water 1 or other reporting format to be agreed in writing with the Environment Agency	DD/MM/YY
Waste Return	Waste Return Form RATS2E	DD/MM/YY
Landfill topographical surveys and interpretation	Reporting format to be agreed in writing with the Environment Agency	DD/MM/YY

# 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 taken, to stop the emission	
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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

“*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.

“*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.

“*best available treatment, recovery and recycling techniques*” shall have the meaning given to it in the document published jointly by the Department for Environment, Food and Rural Affairs, the Welsh Assembly Government and the Scottish Executive on 27th November 2006, entitled “Guidance on Best Available Treatment, Recovery and Recycling Techniques (BATRR) and Treatment of Waste Electrical and Electronic Equipment (WEEE);

“*building*” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“*Construction Proposals*”; for landfill infrastructure, means the design, specification of materials selected, stability assessment (where relevant) and the construction quality assurance (CQA) programme in relation to the landfill infrastructure.

“*CQA Validation Report*” means the final “as built” construction and engineering details of the Landfill Infrastructure. It must provide a comprehensive record of the construction and must include, where relevant:

- The results of all testing required by the CQA programme - this must include the records of any failed tests with a written explanation, details of the remedial action taken, referenced to the appropriate secondary testing;
- Plans showing the location of all tests;
- “As-built” plans and sections of the works;
- Copies of the site engineer’s daily records;
- Records of any problems or non-compliance and the solution applied;
- Any other site specific information considered relevant to proving the integrity of the Landfill Infrastructure;
- Validation by a qualified person that all of the construction has been carried out in accordance with the construction proposals.

*“controlled substances”* means chlorofluorocarbons, other fully halogenated chlorofluorocarbons, halons, carbon tetrachloride, 1,1,1-trichloroethane, methyl bromide, hydrobromofluorocarbons and hydrochlorofluorocarbons listed in Annex I of Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer, including their isomers, whether alone or in a mixture, and whether they are virgin, recovered, recycled or reclaimed. This definition shall not cover any controlled substance which is in a manufactured product other than a container used for the transportation or storage of that substance, or insignificant quantities of any controlled substance, originating from inadvertent or coincidental production during a manufacturing process, from unreacted feedstock, or from use as a processing agent which is present in chemical substances as trace impurities, or that is emitted during product manufacture or handling.

*“D”* means a disposal operation provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

*“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 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).

*“Landfill Infrastructure”* means any specified element of the:

- surface water drainage systems;
- groundwater monitoring boreholes;
- landfill gas monitoring boreholes;

within the Site.

*“maturation”* means a stage when by agitating and turning the compost it no longer results in reheating and the monitored temperature falls to ambient without the compost being too dry or anaerobic. Phytotoxins that are formed during the 'active' composting phase are metabolised by micro-organisms, which will result in the final material not being harmful to plants. This usually coincides with drop in pH toward neutral, and the conversion of ammonia into nitrates and recolonisation of beneficial micro-organisms. The maturation phase may need active management by turning to prevent the material becoming anaerobic.

*“ozone-depleting substances” “ODS”* means “controlled substances” contained in refrigeration, air-conditioning and heat pump equipment, equipment containing solvents, fire protection systems and fire extinguishers.

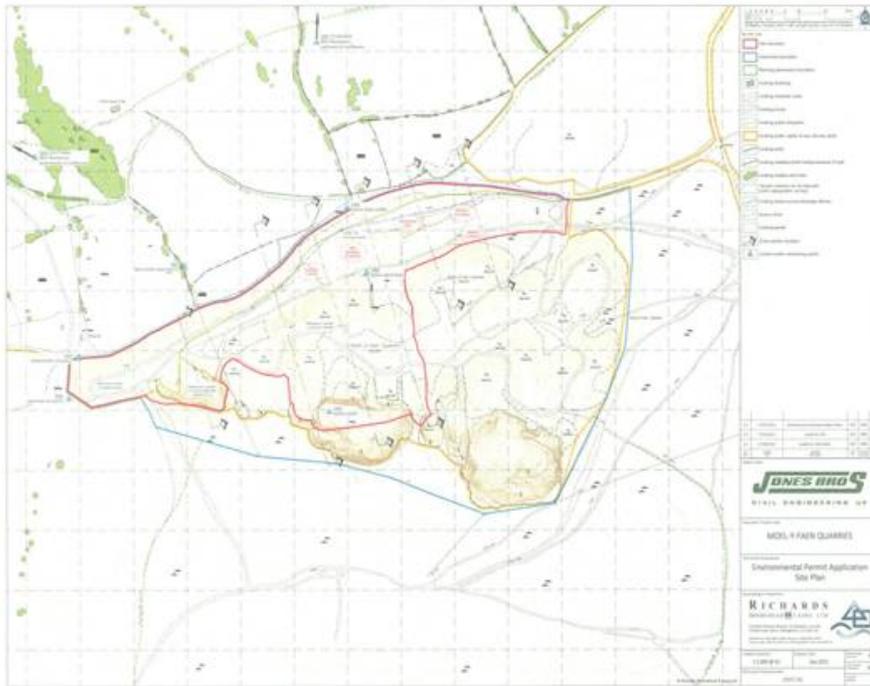
*“quarter”* means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

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

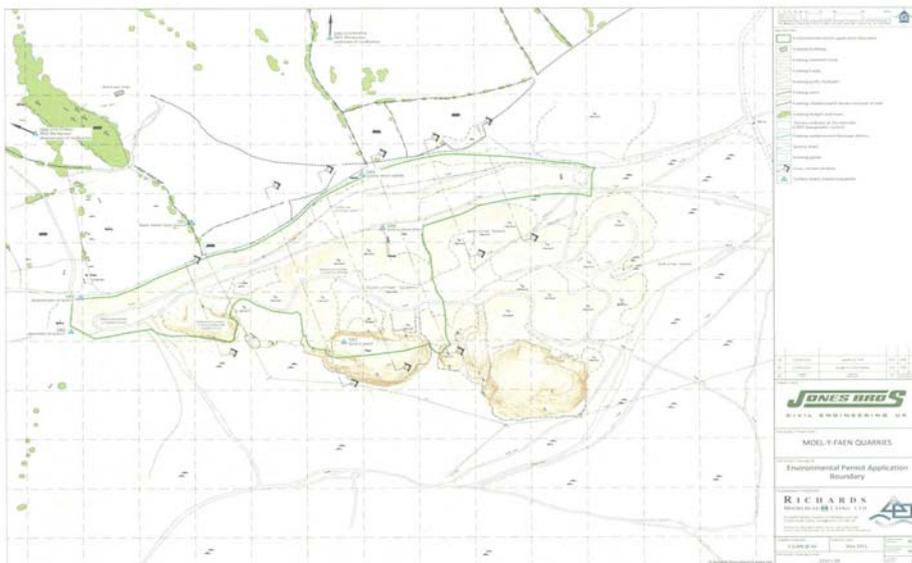
*“Waste code”* means the six digit code referable to a type of waste in accordance with the List of Wastes (England) Regulations 2005, or List of Wastes (Wales) Regulations 2005, as appropriate, and in relation to hazardous waste, includes the asterisk.

# Schedule 7 - Site plan

Plan showing location of treatment activities



Plan showing site boundary



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END OF PERMIT