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Environment  
Agency Wales

## ENVIRONMENTAL PROTECTION ACT 1990. SECTION 37

### WASTE MANAGEMENT LICENCE NOTICE OF MODIFICATION

<b>LICENCE REF No:-</b> EAWML 30276	<b>FACILITY TYPE:-</b> Transfer Station/Composting Facility
<b>LICENCE HOLDER:-</b>  Bryn Quarry Ltd Gellia'r-gwellt Uchaf Gelligaer Hengoed CF82 8FX  Company Reg No 3143087	<b>LICENSED FACILITY:-</b>  Gellia'r-gwellt Uchaf Gelligaer Hengoed CF82 8FX

**WHEREAS** on the 21 May 2003 the Environment Agency issued a waste management licence in pursuance of its powers under the Environmental Protection Act 1990 for the above named facility to Bryn Quarry Ltd

**AND WHEREAS** on 5 December 2003 the Agency modified the conditions of the said licence pursuant to Section 37(1)(a) of the Environmental Protection Act 1990.

**AND WHEREAS** on 21 April 2004 the Agency modified the conditions of the said licence pursuant to Section 37(1)(b) of the Environmental Protection Act 1990.

**NOTICE IS HEREBY GIVEN** that the Agency modifies the conditions of the said licence in accordance with Section 37(1)(a)(b) of the Environmental Protection Act 1990 and as set out in the Schedule attached to this notice.

Signed

Dated

7/2/06

**Christopher Wright**  
Team Leader – Regulatory Waste

This modification shall take effect on 7<sup>th</sup> February 2006 at 00.01 hours.

**YOUR ATTENTION IS DRAWN TO THE RIGHTS OF APPEAL AT THE END OF THIS NOTICE.**

Environment Agency Wales  
Rivers House  
St Mellons Business Park  
St Mellons  
Cardiff  
CF3 OEY

Asiantaeth yr Amgylchedd Cymru  
Plas-yr-Afon  
Parc Busnes Llaneirwg  
Llaneirwg  
Caerdydd  
CF3 OEY



## **EXPLANATORY NOTES - including rights of appeal.**

### **RIGHTS OF APPEAL**

Section 43(1) of the Environmental Protection Act 1990 provides that:

Where, except in pursuance of a direction given by the National Assembly for Wales, the conditions of a licence are modified, the licence holder may appeal from the decision to the National Assembly for Wales.

Therefore, if you feel aggrieved by the decision detailed on the attached notice, you may obtain the appropriate form on which to give written notice of an appeal from :-

The Planning Inspectorate  
Crown Buildings  
Cathays Park  
Cardiff  
CF10 3NQ

Tel: 02920 823859  
Fax: 02920 825150

This notice of appeal should be accompanied by the following information:

A statement of the grounds of appeal;

A copy of any application to modify the licence

A copy of the licence;

A copy of any correspondence relevant to the appeal;

A copy of any other document relevant to the appeal including, in particular, any relevant consent, determination, notice, planning permission, established use certificate or certificate of lawful use or development and

A statement indicating whether you wish the appeal to be in the form of a hearing or on the basis of written representations.

You are also required to serve a copy of your notice of appeal, together with copies of any the above documents that have accompanied your notice of appeal, on the Environment Agency (at the address overleaf). You should appeal within 6 months of the date that this notice takes effect but the National Assembly for Wales may allow notice of appeal to be given after the expiry of this time period.

## SCHEDULE 2 - CONDITIONS RELATING TO THIS LICENCE

Modification of conditions under section 37(1)(a)(b) as follows:

Delete existing conditions 1.1, 1.2, 1.7.1, Table 1.3, 2.1.2, Table 2.1, 3.2, 4.1.3, 4.3, 4.4, 4.7, 5.1.1 and Table 5.1

Add new conditions 1.1, 1.2, 1.7.1, Table 1.3, 2.1.2 Table 2.1, 3.2, 4.1.3, 4.3, 4.4, 4.7, 5.1.1, Table 5.1 and Appendix B

### 1.1 Specified waste management operations

1.1.1 No waste management operations shall be authorised by this licence unless:

- a** specified in and undertaken in accordance with the limitations in the following table; or
- b** otherwise required by the conditions of this licence as being an integral part of those operations;

**Table 1.1 Specified waste management operations**

Specified Waste Management Operation	Permitted Waste Types which may be subject to the Specified Operation	Limits on Specified Waste Management Operations
<b>D15:</b> Storage pending, on this site any of the category "D" operations authorised under this column, or elsewhere than on this site, any of the operations listed in Part III of Schedule 4 of the 1994 Regulations, (excluding temporary storage, pending collection, on the site where it is produced). <b>R13:</b> Storage of waste consisting of materials intended for submission, on this site to any of the category "R" operations authorised under this column, or elsewhere than on this site, to any of the operations listed in Part IV of Schedule 4 of the 1994 Regulations, (excluding temporary storage, pending collection, on the site where it is produced).	All	i) Waste must be stored on areas of hardstanding or impermeable pavement provided in accordance with condition 2.1 ii) Waste accepted at the transfer station must be unloaded onto the concrete pad prior to sorting iii) Maximum Storage capacity of electrical and electronic equipment shall not exceed 2 tonnes. iv) The maximum storage capacity of Batteries/accumulators shall not exceed 0.5 tonnes. v) The maximum storage capacity of plasterboard shall not exceed 5 tonnes. vi) The overall maximum storage allowed at the transfer station is 3000 tonnes  <b>The overall maximum storage capacity shall not exceed 10 tonnes of hazardous waste for disposal.</b>

(Table continued overleaf)

**Table 1.1 Specified waste management operations (continued)**

Specified Waste Management Operation	Permitted Waste Types which may be subject to the Specified Operation	Limits on Specified Waste Management Operations
<p><b>R2:</b> Recycling or reclamation of organic substances which are not used as solvents (by the biological treatment process of composting with associated physical treatment by way of shredding and screening).</p> <p><b>R4:</b> Recycling or reclamation of other inorganic materials.</p>	All	<p>i) The maximum quantity of green waste being:</p> <ul style="list-style-type: none"> <li>a) stored prior to composting,</li> <li>b) composted, and</li> <li>c) stored for maturation, shall not exceed a total of 2,578 tonnes at any one time.</li> </ul> <p>ii) All storage, shredding, composting and screening operations shall be carried out on areas of impermeable pavement provided in accordance with condition 2.1.</p> <p>iii) No waste shall be stored on site prior to composting for longer than 28 days. No readily degradable waste shall be stored on site prior to composting for longer than 5 days.</p> <p>Treatment consisting only of physical sorting of waste into different components for disposal (<b>no more than 50 tonnes per day</b>), recycling or reclamation.</p>
<b>R3:</b> Recycling of metals and metal compounds	Ferrous and non-ferrous metal	Treatment on areas of hardstanding or impermeable pavement provided in accordance with condition 2.1 and consisting only of physical sorting or separation of waste into different components

## 1.2 Permitted wastes

### 1.2.1 Permitted categories and types of wastes

No wastes other than those, which are categorised below in Table 1.2A and specified in detail in Appendix B to these conditions shall be accepted at the site.

**Table 1.2A. Permitted quantities of waste**

Permitted Waste Categories	Maximum Permitted Quantities for each waste category (subject to maximum permitted total quantity in condition 1.2.2) (tonnes/year)
Inert wastes	No limit subject to maximum storage capacities detailed in Table 1.1.
Metal wastes (non-hazardous)	No limit subject to maximum storage capacities detailed in Table 1.1.
Hazardous waste	No limit subject to maximum storage capacities detailed in Table 1.1.
Degradable Household wastes Degradable Commercial wastes Degradable Industrial wastes	No limit subject to maximum storage capacities detailed in Table 1.1.

### *Permitted quantities of wastes*

1.2.2 The total quantity of waste accepted at the site per year shall not exceed 74,999 tonnes.

### *Exclusion of wastes with other specified characteristics*

1.2.3 Notwithstanding the specification of permitted waste types under conditions 1.2.1 and 1.2.2 above, wastes shall not be accepted at the site which have any of the following characteristics:

**Table 1.2B. Excluded wastes of specified form and type**

Waste Characteristic	Type
Form and type:	Consisting solely or mainly of dusts, powders or loose fibres; Odour producing or likely to be odour producing

## 1.7 **Amendments to working plan and supporting information**

### 1.7.1 *Amendments to working plan requiring prior consent from the Agency*

The Licence Holder shall give the Agency prior notice in writing of any proposed change to those sections of the working plan which are specified in table 1.3 below, and to any appendices, drawings and figures which are referenced in those sections.

<b>Table 1.3</b>		<b>Conditions for which changes to the working plan require the prior consent of the Agency</b>
<b>Working Plan Section</b>	<b>Subject</b>	
2.1	Engineered site containment and drainage systems	
3.2	Site Security	
4.1	Control of Mud and Debris	
4.3	Fires on Site	
4.4	Waste acceptance and control systems and procedures	
4.5	Waste quantity measurement systems	
4.6	Storage of specified waste	
4.7	Specified waste treatment process – plant, equipment and procedures	
5.1	Control, monitoring and reporting of dusts, fibres and particulates	
Drawing BC/MC/03.01.01.04(b)	Site Details Plan	

## 2.1 **Engineering site containment and drainage systems**

### *Provision and maintenance of site containment and drainage systems*

- 2.1.2 The engineered site containment and drainage systems shall be designed, constructed, inspected, validated and maintained, and shall be fully documented and recorded, to be fit for purpose and meet the standards specified in table 2.1 below and section 2.1 of the working plan.

**Table 2.1 Site containment and drainage standards**

Type of Site Surface and Drainage	Minimum Specified Standards of Design, Construction and Maintenance
a) Hardstanding	<p>Areas of hardstanding shall be constructed of granular material (e.g. crushed stone, aggregate, road planings or other similar material) and maintained such that the working surface:</p> <ol style="list-style-type: none"> <li>shall remain even</li> <li>shall not be subject to settlement or differential settlement</li> <li>shall not be subject to rutting by vehicles even when wet</li> <li>shall have sufficient durability to allow cleaning for example by scraping</li> <li>shall remain free of standing water.</li> </ol>
b) Impermeable pavement, bunding and sills	<p>Areas of impermeable pavement, bunding and sills shall be constructed and maintained so as to prevent fluids running off the pavement and the transmission of fluids through the pavement or joints.</p> <p>Within 3 months of the date of issue of this licence, the concrete pad shall be extended to cover the area shaded yellow in drawing BC/MB/03.01.04(b)</p>
c) Sealed drainage systems	<p>Drainage to areas of impermeable pavement shall be provided by a sealed drainage system, that is comprised of a drainage system with impermeable components which does not leak and which will ensure that:-</p> <ul style="list-style-type: none"> <li>no liquid will run off the pavement other than via the system; and</li> <li>except where they may be lawfully discharged, all liquids entering the system are collected in a sealed sump.</li> </ul> <ol style="list-style-type: none"> <li>The minimum capacity of the sealed sump or lagoon at the composting facility shall be calculated using the 48 hour M5 rule.</li> <li>Sealed sumps and lagoons shall be inspected no less frequently than daily and after rain, emptied when the collected liquids reach 80% of the capacity of the sump as measured using a dipstick or equivalent gauge or in the case of a lagoon some other readily identifiable marker, and constructed and maintained so as to collect and contain all liquids which run off the pavement;</li> <li>Inspections and emptying of sealed sumps shall be recorded in the site diary.</li> <li>Uncontaminated drainage from clean yard areas shall be kept separate and discharged to either surface water or sewer or watercourse or soakaway.</li> </ol>
d) Fixed bays and other fixed containers	<p>All fixed bays and other fixed containers used for the storage and treatment of wastes must be constructed and maintained to a standard, which is fit for purpose.</p>
e) Storage areas for skips, drums and other mobile tanks and containers	<p>All skips, drums and other mobile tanks and containers having individual capacities of greater than 10 litres which are used for the storage of wastes shall be constructed and maintained so that they do not leak any liquids contained in them.</p>
f) Inspection and maintenance of engineered containment	<p>All areas of hardstanding, impermeable pavement, sealed drainage systems, covered buildings, roofed areas, fixed bays and other containers, and storage areas for skips, drums and other mobile tanks and containers:</p> <ol style="list-style-type: none"> <li>shall be inspected no less frequently than monthly, to ensure the continuing integrity and fitness for purpose of their construction, and the inspection and any necessary maintenance shall be recorded in the site diary; and</li> <li>in the event of any damage occurring which breaches the integrity of the engineered containment so that it no longer meets the specified standards, the Licence Holder shall cease importing waste into or treating waste in the affected area, shall notify the Agency immediately, and shall not recommence importing waste into or treating waste in the affected area until it has been repaired to a standard at least as good as the original specification.</li> </ol>



### 3.2 **Site security**

- 3.2.1 Site security systems shall be provided at all times during the subsistence of this licence, the objective of which shall be to prevent access by humans, and livestock, which is not authorised either by the Licence Holder or under legal powers of entry. These shall be installed, operated and maintained, and shall be fully documented and recorded, in accordance with the requirements specified in table 3.2:

**Table 3.2 Site security system standards**

Site security system	Specified standards
Design standards	Fencing shall be provided in accordance with section 3.2 of the working plan.
Operational standards	The site shall be kept closed and secure at all times when unattended.
Maintenance standards	The site security shall be fully inspected at the commencement of each working day. Any defects or damage shall be made secure by temporary repair by the end of the working day, and shall be repaired within 7 working days of the damage being detected. All inspections, defects, damage and repairs shall be recorded in the site diary.

### 4.1 **Control of mud and debris and loose waste**

#### *Remediation of mud and debris on road*

- 4.1.3 In the event that mud, debris or waste arising from the site is deposited onto public areas outside the site, remedial measures shall be implemented immediately, in accordance with section 4.1 of the working plan.

### 4.3 **Fires on the site**

#### *Prohibition of fires on site*

- 4.3.1 No wastes shall be burned on the site.

#### *Actions to be taken in the event of a fire*

- 4.3.2 In the event of a fire on the site, notwithstanding the implementation of actions to suppress and extinguish the fire as detailed in section 4.3 of the working plan, the following actions shall be implemented immediately and recorded in the site diary:
- a** the Agency shall be informed immediately of the fire; and
  - b** so far as practicable, contaminated site drainage shall be prevented from entering any surface water drain or water course or unsurfaced ground.



#### 4.4 **Waste acceptance and control procedures**

##### *Waste acceptance procedures*

- 4.4.1 All wastes shall be received, inspected, accepted or rejected, and recorded in accordance with the standards specified in table 4.4 below and with sections 4.4 of the working plan

##### *Waste control procedures*

- 4.4.2 All wastes accepted at the site shall be handled, kept and recorded in accordance with the standards specified in table 4.4 below.

##### *Waste despatch procedures*

All outgoing wastes shall be inspected, despatched and recorded in accordance with the standards specified in table 4.4 below.

**Table 4.4 Standards for waste acceptance and control procedures**

Stage of Waste Handling	Specified standards
a) Waste inspection	All wastes received at the site: <ul style="list-style-type: none"><li>i) shall be inspected on receipt to confirm their description and composition against the relevant waste transfer note and other accompanying documentation.</li><li>ii) shall be kept separate from and shall not be mixed with other wastes until they have been confirmed and recorded for acceptance at the site.</li></ul>
b) Waste control procedures: quarantine storage and rejection of wastes	<ul style="list-style-type: none"><li>i) Any items of non-permitted waste which are detected after acceptance at the site, shall be placed immediately in a designated quarantine container, and, where these are or appear to be special wastes, the Agency shall be informed immediately;</li><li>ii) In the quarantine area, wastes shall be kept segregated from other wastes which are or are likely to be incompatible;</li><li>iii) Asbestos shall be handled in accordance with section 4.6 of the working plan;</li><li>iv) Quarantined wastes shall be removed from site within 7 days;</li><li>v) The maximum quantity of wastes kept in the quarantine storage area shall be 4.6m<sup>3</sup> at any one time.</li><li>vi) A record shall be kept in the site diary of all rejected wastes and all wastes kept in quarantine storage.</li></ul>
c) Identification of wastes	Bays and containers shall be clearly defined and labelled to identify the wastes stored within them
d) Waste despatch procedures	All wastes despatched from the site shall be inspected prior to despatch to confirm their description and composition.
e) Incompatible wastes	Incompatible wastes that are likely, in combination with each other or with other material at the facility, to give rise to pollution of the environment or harm to human health outside the site, shall be clearly identified and kept physically separate in designated areas.

## 4.7 Composting process, plant and equipment and procedures

### Composting

4.7.1 The composting of wastes shall only be carried out on the site in accordance with the standards specified in table 4.7 below and section 4.7 of the working plan.

**Table 4.7 Standards for waste composting procedures**

Process requirement	Specified standards
Windrow turning and internal temperature monitoring	<ul style="list-style-type: none"><li>i) Windrows shall be maintained at either:<ul style="list-style-type: none"><li>• an internal temperature of at least 55°C for at least fourteen consecutive days with a minimum of five turnings, or</li><li>• an internal temperature of at least 65°C for at least seven consecutive days with a minimum of three turnings.</li></ul></li><li>ii) The internal temperature of each windrow shall be measured using a long-stem thermometer of at least 1.5 metres in length on a daily basis at least at five metre centres throughout the windrow length.</li><li>iii) Windrows shall be turned at a frequency that maintains aerobic conditions within the windrow.</li><li>iii) Records shall be made in the site diary of the date and results of internal temperature monitoring and the date on which each windrow is turned.</li></ul>
Windrow moisture content	<ul style="list-style-type: none"><li>i) Windrow moisture content shall be maintained between 40% (w/w) and 60%(w/w) during composting.</li><li>ii) Unless otherwise agreed in writing with the Agency, the moisture content of each windrow shall be monitored daily using a moisture touch test at least at 5 metre centres throughout the windrow length.</li><li>iii) Where the moisture content of a windrow has been measured as being above 60% (w/w), remedial action shall be taken to decrease the moisture content to between 40 and 60% (w/w). Such remedial action shall include, but not be restricted to, an increase in turning frequency and/or the addition of drier material from another windrow or a drier feedstock.</li><li>iv) Where the moisture content of a windrow has been measured as being below 40% (w/w), remedial action shall be taken to increase the moisture content to between 40 and 60% (w/w). Such remedial action shall include, but not be restricted to, either:<ul style="list-style-type: none"><li>• the addition of water or leachate from the sealed sump or lagoon onto the surface of the windrow whilst the windrow is being turned, or</li><li>• the addition of water or leachate from the sealed sump or lagoon to the surface of the windrow and into a trough made in the upper surface of the windrow and subsequently turned.</li></ul></li><li>v) Records shall be made in the site diary of the date and results of moisture content monitoring.</li></ul>

## 5.1 **Control, monitoring and reporting of dusts, fibres and particulates**

5.1.1 Measures shall be implemented and maintained throughout the operational life of the site to control and monitor emissions of dusts, fibres and particulates from the site in accordance with the standards specified in table 5.1 below and section 5.1 of the working plan.

**Table 5.1 Standards for monitoring and control of aerial emissions of dusts, fibres and particulates**

a)	Monitoring of aerial emissions	Site staff supervising individual waste handling operations shall, during the carrying out of those operations, undertake visual monitoring of aerial emissions.
b)	Remedial action	<ul style="list-style-type: none"><li>i) On detection or notification of visible aerial emissions that are likely to be transported beyond the site boundary, immediate action shall be taken to stop the waste handling operations giving rise to the emission and to suppress the aerial emission from the waste.</li><li>ii) The incident and the remedial action shall be recorded in the site diary.</li></ul>

## Appendices to conditions

### Appendix B Permitted Wastes (Condition 1.2.1)

Permitted waste categories are indicated using the European Waste Catalogue (EWC), these are subject to maximum total quantity stipulated

<b>Table 1.2A Permitted quantities of waste</b>
<b>02 WASTES FROM HORTICULTURE, AQUACULTURE AND FORESTRY</b>
02 01 wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 03 plant-tissue waste
02 01 07 wastes from forestry
<b>15 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>
15 01 packaging (including separately collected municipal packaging waste)
15 01 01 paper and cardboard packaging
15 01 02 plastic packaging
15 01 03 wooden packaging
<b>16 Waste not otherwise specified for in the list</b>
16 01 end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling end of life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 17 ferrous metal
16 01 18 non ferrous metal
<b>17 CONSTRUCTION AND DEMOLITION WASTES</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 other than those mentioned in 17 01 06
17 02 wood, glass and plastic
17 02 01 wood
17 02 02 glass
17 02 03 plastic
17 05 soil stones and dredging spoil
17 05 04 soil and stones other than those mentioned in 17 05 03
17 08 gypsum-based construction material
17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01
17 09 other construction and demolition wastes
17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

(Table continued overleaf)

Table 1.2A Permitted quantities of waste	(continued)
20 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	
20 01 separately collected fractions (except 15 01)	
20 01 01 paper and cardboard	
20 01 02 glass	
20 01 10 clothes	
20 01 11 textiles	
20 01 13* solvents	
20 01 33* batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	
20 01 35* discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components	
20 01 36 discarded electrical equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	
20 01 38 wood other than that mentioned in 20 01 37	
20 01 39 plastics	
20 01 40 metals	
20 01 41 waste from chimney sweeping	
20 02 garden and park wastes (including cemetery waste)	
20 02 01 biodegradable waste	

