

# Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

---

FCC Recycling (UK) Limited

Llanddulas Quarry Waste Treatment  
Centre  
Llysfaen Quarry  
Abergele Road  
Llanddulas  
Colwyn Bay  
Conwy  
LL22 8HP

Permit number  
EPR/EB3931AM

# **Llanddulas Quarry Waste Treatment Centre**

## **Permit number EPR/EB3931AM**

### **Introductory note**

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

This is a bespoke permit for a waste treatment centre consisting of a non-hazardous materials recycling facility, a waste transfer station and a road sweeper waste recycling facility.

The site activities will take place within the former north western limestone quarry of the Llanddulas Quarry complex.

The site will accept and treat up to 100,000 tonnes per year of non-hazardous municipal, commercial and industrial waste and up to 10,000 tonnes per year of non-hazardous road sweeping waste.

The non-hazardous municipal, commercial and industrial waste will be subject to physical treatment processes ready for bailing and transfer off site. Residual material will be baled and transported from site as an alternative Solid Recovered Fuel (SRF) or taken to the adjacent Llanddulas Quarry landfill for disposal. Road sweeper waste will be dewatered with the remaining solid material being physically processed to wash out aggregate and grit fractions from the waste stream for recovery or disposal.

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/EB3931AM/A001	Duly made 24/04/2012	Application for a waste treatment centre consisting of a non-hazardous material recycling facility, a waste transfer station and a road sweeping waste recycling facility.
Additional information received	13/06/12	Amended site plan and confirmation of EWC codes
Permit determined EPR/EB3931AM	19/10/12	Bespoke Permit issued

End of introductory note

# Permit

The Environmental Permitting (England and Wales) Regulations 2010

**Permit number**  
**EPR/EB3931AM**

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

**FCC Recycling (UK) Limited** (“the operator”),

whose registered office is:

**Ground floor West**  
**900 Pavilion Drive**  
**Northampton Business Park**  
**Northampton**  
**NN4 7RG**

company registration number 2674166

to operate a waste operation at:

**Llanddulas Quarry Waste Treatment Centre**  
**Llysfaen Quarry**  
**Abergele Road**  
**Llanddulas**  
**Colwyn Bay**  
**Conwy**  
**LL22 8HP**

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

Name	Date
<b>Eirian MacDonald</b>	<b>19/10/12</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, 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”).

## **2.2 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 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 tables S2.1 and S2.2; and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

# **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 table S3.1.
- 3.1.2 The limits given in schedule 3 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 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, 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 table S3.1.
- 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, 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 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.
- 4.2.3 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 S4.2 ; and
  - (c) giving the information from such results and assessments as may be required by the forms specified in those tables

## **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 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.

4.3.4 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**

<b>Activity Reference</b>	<b>Description of activities for waste operations</b>	<b>Limits of activities</b>
Material Recycling Facility (MRF)	<b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents	Treatment consisting only of manual sorting, separation, screening, baling, shredding and compaction of waste into different components for recovery.
	<b>R4:</b> Recycling/reclamation of metals and metal compounds	
	<b>R5:</b> Recycling/reclamation of other inorganic compounds	Waste shall be stored and treated on an impermeable surface inside a building with a sealed drainage system.
	<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)	External yard drainage shall discharge to the isolation tank via a Class 1 full retention separator to the surface water lagoon.
	<b>D9:</b> Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12	No more than a total of 50 tonnes of intact and shredded waste vehicle tyres (waste code 19 12 04) shall be stored at the site.
	<b>D15:</b> Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)	Only waste types specified in Table S2.1 shall be accepted.  Waste consisting solely or mainly of dusts, powders or loose fibres, hazardous wastes or waste in liquid form shall not be accepted.

**Table S1.1 activities**

Waste Transfer Station (WTS)	<b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents	Treatment consisting only of manual sorting or manual separation of waste into different components for disposal or recovery.
	<b>R4:</b> Recycling/reclamation of metals and metal compounds	
	<b>R5:</b> Recycling/reclamation of other inorganic compounds	Waste shall be stored and treated on an impermeable surface inside a building with a sealed drainage system.
	<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)	External yard drainage shall discharge to the isolation tank via a Class 1 full retention separator to the surface water lagoon.
	<b>D9:</b> Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12	No more than a total of 50 tonnes of intact and shredded waste vehicle tyres (waste code 19 12 04) shall be stored at the site.
Road Sweeper Waste Recycling Facility (RWRF)	<b>D15:</b> Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)	Only waste types specified in Table S2.1 shall be accepted.
	<b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents	Waste consisting solely or mainly of dusts, powders or loose fibres, hazardous wastes or waste in liquid form shall not be accepted.
	<b>R5:</b> Recycling/reclamation of other inorganic compounds	
	<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)	Treatment consisting only of dewatering, separation and screening of waste into different components for disposal or recovery.
	<b>D9:</b> Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12	Waste shall be stored and treated on an impermeable surface inside a building with a sealed drainage system.
		Process water from the dewatering of the road sweeper waste shall be stored in double skinned or bunded tanks.
		Only waste types specified in Table S2.2 shall be accepted.
		Waste consisting solely or mainly of dusts, powders or loose fibres, hazardous wastes or waste in liquid form shall not be accepted.

**Table S1.2 Operating techniques**

<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
How to comply with your environmental permit	All	N/A
PPG S5.06 - Guidance for the recovery and disposal of hazardous and non hazardous waste	All	N/A
Application	Llanddulas Quarry Waste Treatment Centre Management Plan document (WR7060/02) – includes Accident and Emergencies Risk Assessment (Appendix 8) and Fugitive Emissions Risk Assessment (Appendix 9)	25/04/2012

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

**Table S2.1 Permitted waste types and quantities - Materials Recycling Facility and Waste Transfer Station**

<b>Maximum quantity</b>	The total quantity of waste accepted on site shall be less than 100,000 tonnes a year
<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>
<b>01 01</b>	<b>Wastes from mineral excavation</b>
01 01 01	Wastes from mineral metalliferous excavation
01 01 02	Wastes from mineral non-metalliferous excavation
<b>01 03</b>	<b>Wastes from physical and chemical processing of metalliferous minerals</b>
01 03 06	Tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 09	Red mud from alumina production other than those wastes mentioned in 01 03 07
<b>01 04</b>	<b>Wastes from physical and chemical processing of non-metalliferous minerals</b>
01 04 08	Waste gravel and crushed rocks others than those mentioned in 01 04 07
01 04 09	Waste sand and clays
01 04 11	Wastes from potash and rock salt processing other than those mentioned in 01 04 07
01 04 12	Tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	Wastes from stone cutting and sawing other than those mentioned in 01 04 07
<b>02</b>	<b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>
<b>02 01</b>	<b>Wastes from agricultural, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 02	Animal-tissue waste
02 01 03	Plant-tissue waste
02 01 04	Waste plastics (except packaging)
02 01 06	Animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
02 01 07	Wastes from forestry
02 01 09	Agrochemical waste other than those mentioned in 02 01 08
02 01 10	Waste metal
<b>02 02</b>	<b>Wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 02	Animal-tissue waste
02 02 03	Materials unsuitable for consumption or processing
<b>02 03</b>	<b>Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation</b>
02 03 02	Wastes from preserving agents
02 03 03	Wastes from solvent extraction
02 03 04	Materials unsuitable for consumption or processing
<b>02 04</b>	<b>Wastes from sugar processing</b>
02 04 01	Soil from cleaning and washing beet
02 04 02	Off-specification calcium carbonate
<b>02 05</b>	<b>Wastes from the dairy products industry</b>
02 05 01	Materials unsuitable for consumption or processing
<b>02 06</b>	<b>Wastes from the baking and confectionery industry</b>
02 06 01	Materials unsuitable for consumption or processing

**Table S2.1 Permitted waste types and quantities - Materials Recycling Facility and Waste Transfer Station**

<b>Maximum quantity</b>	The total quantity of waste accepted on site shall be less than 100,000 tonnes a year
<b>Waste code</b>	<b>Description</b>
02 06 02	Wastes from preserving agents
<b>02 07</b>	<b>Wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b>
02 07 01	Wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	Wastes from spirits distillation
02 07 03	Wastes from chemical treatment
02 07 04	Materials unsuitable for consumption or processing
<b>03</b>	<b>WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD</b>
<b>03 01</b>	<b>Wastes from wood processing and the production of panels and furniture</b>
03 01 01	Waste bark and cork
03 03 07	Mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	Wastes from sorting of paper and cardboard destined for recycling
03 03 09	Lime mud waste
<b>04</b>	<b>WASTE FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES</b>
<b>04 01</b>	<b>Wastes from the leather and fur industry</b>
04 01 02	Liming waste
04 01 08	Waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	Waste from dressing and finishing
<b>04 02</b>	<b>Waste from the textile industry</b>
04 02 09	Wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10	Organic matter from natural products (for example grease, wax)
04 02 15	Wastes from finishing other than those mentioned in 04 02 14
04 02 17	Dyestuffs and pigments other than those mentioned 04 02 16
04 02 21	Waste from unprocessed textile fibres
04 02 22	Waste from processed textile fibres
<b>07</b>	<b>WASTE FROM ORGANIC CHEMICAL PROCESSES</b>
<b>07 02</b>	<b>Waste from the MFSU of plastics, synthetic rubber and man-made fibres</b>
07 02 13	Waste plastic
<b>07 05</b>	<b>Wastes from the MFSU of pharmaceuticals</b>
07 05 14	Solid wastes other than those mentioned in 07 05 13
<b>08</b>	<b>WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS</b>
<b>08 01</b>	<b>Wastes from MFSU and removal of paint and varnish</b>
08 01 12	Waste paint and varnish other than those mentioned in 08 01 11
08 01 18	Wastes from paint or varnish removal other than those mentioned in 08 01 17
<b>08 02</b>	<b>Waste from MFSU of other coatings (including ceramic materials)</b>
08 02 01	Waste coating powders
<b>08 03</b>	<b>Waste from MFSU of printing inks</b>
08 03 13	Waste ink other than those mentioned in 08 03 12
08 03 18	Waste printing toner other than those mentioned in 08 03 17
<b>08 04</b>	<b>Waste from MFSU of adhesives and sealants (including waterproofing products)</b>
08 04 10	Waste adhesives and sealants other than those mentioned in 08 04 09
<b>09</b>	<b>WASTES FROM THE PHOTOGRAPHIC INDUSTRY</b>

**Table S2.1 Permitted waste types and quantities - Materials Recycling Facility and Waste Transfer Station**

<b>Maximum quantity</b>	The total quantity of waste accepted on site shall be less than 100,000 tonnes a year
<b>Waste code</b>	<b>Description</b>
<b>09 01</b>	<b>Wastes from the photographic industry</b>
09 01 07	Photographic film and paper containing silver or silver compounds
09 01 08	Photographic film and paper free of silver or silver compounds
09 01 10	Single-use cameras without batteries
09 01 12	Single-use cameras containing batteries other than those mentioned in 09 01 11
<b>10</b>	<b>WASTES FROM THERMAL PROCESSES</b>
<b>10 02</b>	<b>Wastes from the iron and steel industry</b>
10 02 01	Wastes from the processing of slag
10 02 02	Unprocessed slag
10 02 08	Solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10	Mill scales
10 02 12	Waste from cooling-water treatment other than those mentioned in 10 02 11
<b>10 03</b>	<b>Wastes from aluminium thermal metallurgy</b>
10 03 02	Anode scraps
10 03 05	Waste alumina
10 03 16	Skimmings other than those mentioned in 10 03 15
10 03 18	Carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 24	Solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 28	Wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 30	Wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
<b>10 05</b>	<b>Wastes from zinc thermal metallurgy</b>
10 05 01	Slags from primary and secondary production
10 05 09	Wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 11	Dross and skimmings other than those mentioned in 10 05 10
<b>10 06</b>	<b>Wastes from copper thermal metallurgy</b>
10 06 01	Slags from primary and secondary production
10 06 02	Dross and skimmings from primary and secondary production
10 06 10	Wastes from cooling-water treatment other than those mentioned in 10 06 09
<b>10 07</b>	<b>Wastes from silver, gold and platinum thermal metallurgy</b>
10 07 01	Slags from primary and secondary production
10 07 02	Dross and skimmings from primary and secondary production
10 07 08	Wastes from cooling-water treatment other than those mentioned in 10 07 07
<b>10 08</b>	<b>Wastes from other non-ferrous thermal metallurgy</b>
10 08 09	Other slags
10 08 11	Dross and skimmings other than those mentioned in 10 08 10
10 08 13	Carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	Anode scrap
10 08 20	Wastes from cooling-water treatment other than those mentioned in 10 08 19
<b>10 09</b>	<b>Wastes from casting of ferrous pieces</b>
10 09 03	Furnace slag
10 09 06	Casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05

**Table S2.1 Permitted waste types and quantities - Materials Recycling Facility and Waste Transfer Station**

<b>Maximum quantity</b>	The total quantity of waste accepted on site shall be less than 100,000 tonnes a year
<b>Waste code</b>	<b>Description</b>
10 09 08	Casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 14	Waste binders other than those mentioned in 10 09 13
10 09 16	Waste crack-indicating agent other than those mentioned in 10 09 15
<b>10 10</b>	<b>Wastes from casting of non-ferrous pieces</b>
10 10 03	Furnace slag
10 10 06	Casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 08	Casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 14	Waste binders other than those mentioned in 10 10 13
10 10 16	Waste crack-indicating agent other than those mentioned in 10 10 15
<b>10 11</b>	<b>Wastes from manufacture of glass and glass products</b>
10 11 03	Waste glass-based fibrous materials
10 11 10	Waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 12	Waste glass other than those mentioned in 10 11 11
10 11 20	Solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
<b>10 12</b>	<b>Wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>
10 12 01	Waste preparation mixture before thermal processing
10 12 06	Discarded moulds
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 12	Wastes from glazing other than those mentioned in 10 12 11
<b>10 13</b>	<b>Wastes from manufacture of cement, lime and plaster and articles and products made from them</b>
10 13 01	Waste preparation mixture before thermal processing
10 13 04	Wastes from calcination and hydration of lime
10 13 10	Wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	Waste from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 14	Waste concrete and concrete sludge
<b>12</b>	<b>WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS</b>
<b>12 01</b>	<b>Wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>
12 01 01	Ferrous metal filings and turnings
12 01 03	Non-ferrous metal filings and turnings
12 01 05	Plastics shavings and turnings
12 01 13	Welding wastes
12 01 17	Waste blasting materials other than those mentioned in 12 01 16
12 01 21	Spent grinding bodies and grinding materials other than those mentioned in 12 01 20
<b>15</b>	<b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIAL AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>
<b>15 01</b>	<b>Packaging (including separately collected municipal packaging waste)</b>
15 01 01	Paper and cardboard packaging
15 01 02	Plastic packaging

**Table S2.1 Permitted waste types and quantities - Materials Recycling Facility and Waste Transfer Station**

<b>Maximum quantity</b>	The total quantity of waste accepted on site shall be less than 100,000 tonnes a year
<b>Waste code</b>	<b>Description</b>
15 01 03	Wooden packaging
15 01 04	Metallic packaging
15 01 05	Composite packaging
15 01 06	Mixed packaging
15 01 07	Glass packaging
15 01 09	Textile packaging
<b>15 02</b>	<b>Absorbents, filter materials, wiping cloths and protective clothing</b>
15 02 03	Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SOIL)</b>
<b>17 01</b>	<b>Concrete, bricks, tiles and ceramics</b>
17 01 01	Concrete
17 01 02	Bricks
17 01 03	Tiles and bricks
<b>17 02</b>	<b>Wood, glass and plastic</b>
17 02 01	Wood
17 02 02	Glass
17 02 03	Plastic
<b>17 03</b>	<b>Bituminous mixtures, coal tar and tarred products</b>
17 03 02	Bituminous mixtures containing coal tar
<b>17 04</b>	<b>Metals (including their alloys)</b>
17 04 01	Copper, bronze, brass
17 04 02	Aluminium
17 04 03	Lead
17 04 04	Zinc
17 04 05	Iron and steel;
17 04 06	Tin
17 04 07	Mixed metals
17 04 11	Cables other than those mentioned in 17 04 10
<b>17 05</b>	<b>Soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 04	Soil and stones other than those mentioned in 17 05 03
17 05 06	Dredging spoil other than those mentioned in 17 05 05
17 05 08	Track ballast other than those mentioned in 17 05 07
<b>17 06</b>	<b>Insulation materials and asbestos-containing construction materials</b>
17 06 04	Insulation materials other than those mentioned in 17 06 01 and 17 06 03
<b>17 08</b>	<b>Gypsum-based construction material</b>
17 08 02	Gypsum-based construction materials other than those mentioned in 17 08 01
<b>17 09</b>	<b>Other construction and demolition waste</b>
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
<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>
<b>19 01</b>	<b>Wastes from incineration or pyrolysis of waste</b>



**Table S2.1 Permitted waste types and quantities - Materials Recycling Facility and Waste Transfer Station**

<b>Maximum quantity</b>	The total quantity of waste accepted on site shall be less than 100,000 tonnes a year
<b>Waste code</b>	<b>Description</b>
19 01 02	Ferrous materials removed from bottom ash
<b>19 02</b>	<b>Wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)</b>
19 02 03	Premixed wastes composed only of non-hazardous wastes
<b>19 03</b>	<b>Stabilised/solidified wastes</b>
19 03 05	Stabilised wastes other than those mentioned in 19 03 04
19 03 07	Solidified wastes other than those mentioned in 19 03 06
<b>19 04</b>	<b>Vitrified waste and waste from vitrification</b>
19 04 01	Vitrified waste
<b>19 05</b>	<b>Waste from aerobic treatment of solid wastes</b>
19 05 01	Non-composted fraction of municipal and similar wastes
19 05 02	Non-composted fraction of animal and vegetable waste
19 05 03	Off-specification compost
<b>19 06</b>	<b>Wastes from anaerobic treatment of waste</b>
19 06 04	Digestate from anaerobic treatment of municipal waste
19 06 06	Digestate from anaerobic treatment of animal and vegetable waste
<b>19 09</b>	<b>Wastes from the preparation of water intended for human consumption or water for industrial use</b>
19 09 01	Solid waste from primary filtration and screenings
19 09 04	Spent activated carbon
19 09 05	Saturated or spent ion exchange resins
<b>19 10</b>	<b>Wastes from shredding or metal-containing wastes</b>
19 10 01	Iron and steel waste
19 10 02	Non-ferrous waste
19 10 06	Other fractions other than those mentioned in 19 10 05
<b>19 12</b>	<b>Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 01	Paper and cardboard
19 12 02	Ferrous metal
19 12 03	Non-ferrous metal
19 12 04	Plastic and rubber
19 12 05	Glass
19 12 07	Wood other than that mentioned in 19 12 06
19 12 08	Textiles
19 12 09	Minerals (for example sand, stones)
19 12 10	Combustible waste (refuse derived fuel)
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
<b>19 13</b>	<b>Wastes from soil and groundwater contamination</b>
19 13 02	Solid wastes from soil remediation
<b>20</b>	<b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>
<b>20 01</b>	<b>Separately collected fractions (except 15 01)</b>
20 01 01	Paper and cardboard
20 01 02	Glass

**Table S2.1 Permitted waste types and quantities - Materials Recycling Facility and Waste Transfer Station**

<b>Maximum quantity</b>	The total quantity of waste accepted on site shall be less than 100,000 tonnes a year
<b>Waste code</b>	<b>Description</b>
20 01 08	Biodegradable kitchen and canteen waste
20 01 10	Clothes
20 01 11	Textiles
20 01 25	Edible oil and fat
20 01 28	Paints, inks, adhesives and resins other than those mentioned in 20 01 27
20 01 30	Detergents other than those mentioned 20 01 29
20 01 32	Medicines other than those mentioned in 20 01 31
20 01 34	Batteries and accumulators other than those mentioned in 20 01 33
20 01 36	Discarded electrical and electronic 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	Wastes from chimney sweeping
<b>20 02</b>	<b>Garden and park wastes (including cemetery waste)</b>
20 02 01	Biodegradable waste
20 02 02	Soil and stones
20 02 03	Other non-biodegradable wastes
<b>20 03</b>	<b>Other municipal wastes</b>
20 03 01	Mixed municipal waste
20 03 02	Waste from markets
20 03 07	Bulky waste

**Table S2.2 Permitted waste types and quantities - Road Sweeper Waste Recycling Facility**

<b>Maximum quantity</b>	The total quantity of waste accepted on site shall be less than 10,000 tonnes a year
<b>Waste code</b>	<b>Description</b>
<b>20</b>	<b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>
<b>20 03</b>	<b>Other municipal waste</b>
20 03 03	Street cleaning residues

## Schedule 3 – Emissions and monitoring

**Table S3.1 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements**

<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (incl. unit)</b>	<b>Reference Period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
Discharge Point of Culvert (SW1) on the site plan in schedule 7 emission to Lupton Tramway	Site run-off from the external storage and vehicle manoeuvring areas – from surface water attenuation lagoon on the site plan in schedule 7	Oil and grease	No visual trace	Every inspection	Regularly (particularly after heavy rainfall or as agreed with the Environment Agency)	Visual inspection

## Schedule 4 - Reporting

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

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Surface water monitoring Parameters as required by condition 3.5.1	Discharge Point of Culvert (SW1)	Every 12 months	12 months from commencement of operations

**Table S4.2 Reporting forms**

Media/parameter	Reporting format	Date of form
Water and Land	Form water 1 or other form as agreed in writing by the Environment Agency	12 months from commencement of operations

## 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**

**To be notified within 24 hours of detection**

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**

**To be notified within 24 hours of detection unless otherwise specified below**

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.

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

*“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.

*“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.

*“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.

*“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.

*“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).

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

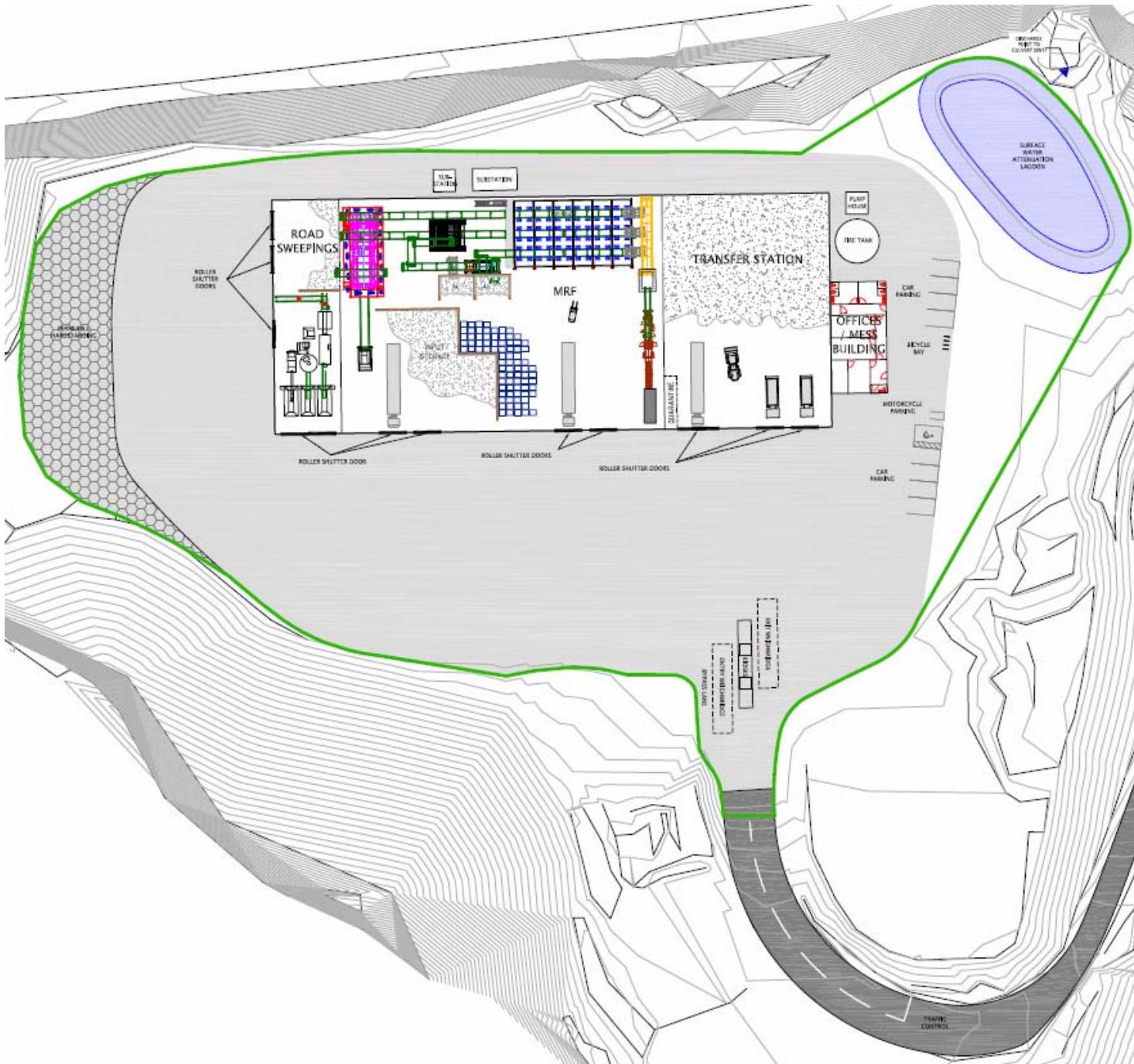
*“R”* means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

*“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.

*“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





Permit Number: EPR/EB3931AM Operator: FCC Recycling (UK) Ltd

Facility: Llanddulas Quarry Waste Treatment Form Number: Water1 19/10/12

Reporting of emissions to water (other than to sewer) and land for the period from \_\_/\_\_/\_\_ to \_\_/\_\_/\_\_

Emission Point	Substance / Parameter	Emission		Result <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
		Limit Value	Reference Period				
Discharge Point of Culvert (SW1) on the site plan in schedule 7 emission to Lupton Tramway	Oil and grease	No visual trace	Every inspection				

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed .....

Date.....