

# Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

---

CWM Environmental Limited

Nantycaws HCl Waste Transfer &  
Treatment Facility  
Llanddarog Road  
Nantycaws  
Carmarthen  
SA32 8BG

Permit number

EPR/EP3698FL

# Nantycaws HCI Transfer & Treatment Facility

## Permit number EPR/EP3698FL

### Introductory note

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

The main features of the permit are as follows.

This permit is for the recovery and disposal of a non-hazardous and hazardous household, commercial and industrial waste transfer and treatment facility. The HCI waste transfer with treatment station includes enclosed vessel composting and open windrow composting activities where the recovery of non-hazardous biodegradable wastes must be carried out under aerobic conditions. It also permits the recovery of wastes for the production of soil, soil substitutes and aggregates. The total throughput is 100,000 tonnes a year.

Any wastes controlled by the Animal By-products Regulations (ABPR) must be handled and treated in accordance with any requirements imposed by those Regulations.

The waste types permitted for the enclosed vessel composting activity and part of the open windrow composting activity are subject to PAS 100 and the Environment Agency's Quality Protocol Appendix B list in order to meet the End-of-Waste (EoW) criteria for compost. The bioaerosol monitoring frequency given in Table S3.5 may be reduced to twice a year after the first year of operation if agreed in writing by the Environment Agency.

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

#### Status log of the permit

Description	Date	Comments
EAWML 34207 determined	02/09/03	Permit issued to CWM Environmental Limited
Variation determined EPR/EP3698FL/V002 (previously EAWML 34207)	05/10/04	Varied to amend Tables 1.1 and 1.2.
Application EPR/EP3698FL/V003 (variation)	Duly Made 17/08/12	Application to include composting and additional waste codes resulting in the re-classification of the site to a hazardous and non-hazardous HCI WTS with treatment. It also includes an extension to the site boundary.
Variation determined EPR/EP3698FL	08/11/12	Varied and consolidated permit issued in modern condition format.

End of introductory note

# Permit

The Environmental Permitting (England and Wales) Regulations 2010

**Permit number**  
**EPR/EP3698FL**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/WP3995FY/V003 authorising,

**CWM Environmental Limited** ("the operator"),  
whose registered office is

**MRF Unit**  
**Cillefwr Industrial Estate**  
**Alltynap Road**  
**Johnstown**  
**Carmarthen**  
**SA31 3RA**

company registration number 02640102

to operate waste operations at

**Nantycaws HCI Transfer & Treatment Facility**  
**Llanddarog Road**  
**Nantycaws**  
**Carmarthen**  
**SA32 8BG**

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

Name	Date
 E Franks	08/11/2012

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; S2.2; S2.3; S2.4 and S2.5 and
- (b) it conforms to the description in the documentation supplied by the producer and holder.

## **2.4 Improvement programme**

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

## **2.5 Pre-operational conditions**

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4 have been completed.

## **2.5 Technical requirements**

### **WEEE treatment**

- 2.5.1 The storage (including temporary storage) and treatment of WEEE shall be carried out in accordance with the technical requirements of Annex III of the WEEE Directive.

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

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

## **3 Emissions and monitoring**

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

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3.
- 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.

### **3.4 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 tables S3.1 and S3.2;

- (b) process monitoring specified in table S3.3;
  - (c) bioaerosol monitoring specified in table S3.4; and
  - (d) surface water specified in table S3.5.
- 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.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 and S3.2 unless otherwise agreed in writing by the Environment Agency.

## **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.
- 4.2.4 The operator shall submit to the Environment Agency a bi-annual report of the efficiency of the biofilter in the first year of compost operations. This shall include but not be limited to, the assessment of the efficiency to reduce odours, the summary of maintenance and any recommissioning planned or conducted, assessment of back pressure, venting and cracking. Thereafter the operator shall submit the report within one month of the end of each year, unless otherwise agreed in writing by the Environment Agency.

## 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**

Activity	Description of activities for waste operations	Limits of specified activity and waste types
<b>HCI Transfer &amp; Treatment Facility</b>	<b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents	Treatment consisting of:
	<b>R4:</b> Recycling/reclamation of metals and metal compounds	<ul style="list-style-type: none"> <li>• sorting</li> <li>• separation</li> <li>• shredding</li> <li>• compaction</li> <li>• dewatering</li> </ul>
	<b>R5:</b> Recycling/reclamation of other inorganic materials	of waste into different components for disposal (no more than 50 tonnes per day) or recovery.
	<b>R13:</b> Storage of wastes pending the operation numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	There shall be no treatment of hazardous waste.
	<b>D9:</b> Physico-chemical treatment not specified elsewhere in Annex I which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (e.g. evaporation, drying, calcination, etc.)	Treatment and storage of wastes shall take place on an impermeable surface with sealed drainage.
	<b>D14:</b> Repackaging prior to submission to any of the operations numbered D1 to D13	No more than a total of 50 tonnes of shredded waste vehicle tyres (waste code 19 12 04) shall be stored at 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)	The maximum quantity of hazardous waste and waste oils (in aggregate) that can be accepted and stored at the site in connection with a disposal activity shall not exceed 10 tonnes per day.
		Secure storage of wastes listed in table S2.1.

**Table S1.1 activities**

<b>Activity</b>	<b>Description of activities for waste operations</b>	<b>Limits of specified activity and waste types</b>
<b>Open Windrow Composting - Compost 'Pad'</b>	<b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents	Treatment and composting including stabilisation and sanitisation, shredding and maturation of the types of wastes listed in table S2.2 to produce compost.
	<b>R13:</b> Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	The storage, physical treatment and composting of wastes under anaerobic conditions shall be prevented.
	<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)	Physical treatment and composting of wastes including sanitisation and stabilisation shall take place only on an impermeable surface with a sealed drainage system.
		Storage of green waste shall take place on hard standing with a sealed drainage system.
		Secure storage of wastes listed in table S2.2.
<b>Soil, soil substitutes &amp; aggregates</b>	<b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents	Treatment consisting of sorting, separation, screening, shredding and blending of wastes for recovery as a soil, soil substitute or aggregate of wastes listed in table S2.3
	<b>R5:</b> Recycling/reclamation of other inorganic materials	
	<b>R13:</b> Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	The storage and treatment of wastes shall take place on hard standing with a sealed drainage system.

**Table S1.1 activities**

<b>Activity</b>	<b>Description of activities for waste operations</b>	<b>Limits of specified activity and waste types</b>
<b>Street Sweepings</b>	<b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents	Treatment consisting only of mechanical or biological processes for the disposal or recovery of this waste type.
	<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)	Physical treatment of 20 03 03 street-cleaning residues as per waste list S2.4.
	<b>D9:</b> Physico-chemical treatment not specified elsewhere in Annex I 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.	Wastes shall be stored and treated on an impermeable surface with a separate sealed drainage system.
<b>Closed Vessel Composting</b>	<b>R3:</b> Recycling/reclamation of organic substances which are not used as solvents	The storage, physical treatment and composting of wastes under anaerobic conditions shall be prevented, or where that is not practicable, minimised.
	<b>R13:</b> Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	The storage, physical treatment and composting of wastes shall take place on an impermeable surface with sealed drainage.
	<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)	Physical treatment and composting of the types of wastes listed in table S2.4
		The treatment capacity of any plant shall not exceed 10 tonnes per day of animal waste.
		Each composting batch shall undergo an identifiable sanitisation and stabilisation stage. The sanitisation of wastes shall take place in a closed system incorporating a bio-filter.
		The bio-filter shall be specifically designed to minimise the release of odour, bioaerosols and micro-organisms and be fit for purpose.
		Secure storage of wastes listed in table S2.5

**Table S1.2 Operating techniques**

Description	Parts	Date Received
How to comply with your environmental permit	All	N/A
The composting industry code of practice (AfOR)	All	N/A
Industry guide for prevention and control of odours at bio waste processing facilities (AfOR)	All	N/A
BSI PAS 100 Compost Specification	All	N/A
BSI PAS 111 Recycled Wood Quality Standard	All	N/A
BS 3882:2007 Top soils Standard	All	N/A
Quality Protocol for Compost – WRAP/EA	All	N/A
Health & Safety at bio waste processing sites - AfOR	All	N/A
PPG 1: General guide to the prevention of pollution	All	N/A
PPG18: Managing fire and water and major spillages	All	N/A
Standardised protocol for the monitoring of bio aerosols at open composting facilities – AfOR	All	N/A
Environment Management System (EMS)	Appendix 7. Waste Acceptance Criteria Appendix 8. Procedures Appendix 9. Accident Management Plan	06/08/12
General Environmental Risk Assessment for the CWM Environmental Ltd CA Site and Composting Facility – sections:	2.1 Adapted Generic risk assessment Waste Operation: Non-hazardous and Hazardous Household Waste Amenity Site	06/08/12
	2.2 Adapted Generic risk assessment Waste Operation: Composting in Closed Systems (in-vessel composting) vessels (including animal by-products)	06/08/12
	2.3 Adapted Generic risk assessment Waste Operation: External Windrow Composting	06/08/12
Odour and Emissions Management Plan	All	06/08/12
Site Specific Bioaerosol Risk Assessment	All	06/08/12

**Table S1.3 Improvement programme requirements**

Reference	Requirement	Date
1	Make updates to the Environment Management System (EMS) to accurately reflect the re-classification of the site to a hazardous and non-hazardous HCI Transfer & Treatment Facility including associated activities.	2 months from the date of issue unless otherwise agreed in writing with the Environment Agency.

<b>Table S1.4 Pre-operational measures for future development</b>		
<b>Reference</b>	<b>Operation</b>	<b>Pre-operational measures</b>
PO1	Treatment of waste to produce soil, soil substitutes and aggregates	The operator shall submit to the Environment Agency an addendum to their EMS for the storage and treatment of waste associated with the production of soils and aggregates for approval 4 weeks prior to the commencement of activities.
PO2	Storage and treatment of street cleaning residues and gully suckings	The operator shall submit to the Environment Agency an addendum to their EMS for the storage and treatment of street cleaning residues for approval 4 weeks prior to the commencement of activities.
PO3	Wood storage and treatment	The operator shall submit to the Environment Agency an addendum to their EMS for the storage and treatment of wood for approval 4 weeks prior to the commencement of activities.

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

**Table S2.1 Waste types and quantities – HCI Transfer & Treatment Station**

### Maximum Quantities

The total quantity of waste accepted at the site shall not exceed 100,000 tonnes a year.

### Exclusions

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Malodorous wastes

Waste Code	Description
<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 04</b>	<b>wastes from physical and chemical processing of non-metalliferous minerals</b>
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
<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 agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 01	sludges from washing and cleaning
02 01 03	plant-tissue waste
02 01 07	wastes from forestry
<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 (shells for soils only)
<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>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 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 01	waste bark and wood

**Table S2.1 Waste types and quantities – HCI Transfer & Treatment Station****Maximum Quantities**

The total quantity of waste accepted at the site shall not exceed 100,000 tonnes a year.

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Malodorous wastes

<b>Waste Code</b>	<b>Description</b>
03 03 05	de-inking sludges from paper recycling
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
03 03 10	fibre rejects, fibre-, filter- and coating sludges from mechanical separation
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
<b>04</b>	<b>WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES</b>
<b>04 02</b>	<b>wastes from the textile industry</b>
04 02 10	organic matter from natural products (for example grease, wax)
<b>06</b>	<b>WASTES FROM INORGANIC CHEMICAL PROCESSES</b>
<b>06 09</b>	<b>Wastes from the MFSU of phosphorous chemicals and phosphorous chemical processes</b>
06 09 02	phosphorous slag
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
<b>10</b>	<b>WASTES FROM THERMAL PROCESSES</b>
<b>10 01</b>	<b>waste from power stations and other combustion plants</b>
10 01 01	bottom ash and slag only
10 01 02	coal fly ash only
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
<b>10 11</b>	<b>wastes from manufacture of glass and glass products</b>
10 11 12	clean glass other than those mentioned in 10 11 11
<b>10 12</b>	<b>wastes from manufacture of ceramic goods, brick, stiles and construction products</b>
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
<b>10 13</b>	<b>wastes from manufacture of cement, lime and plaster products and articles and products made from them</b>
10 13 14	waste concrete only



**Table S2.1 Waste types and quantities – HCI Transfer & Treatment Station****Maximum Quantities**

The total quantity of waste accepted at the site shall not exceed 100,000 tonnes a year.

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Malodorous wastes

<b>Waste Code</b>	<b>Description</b>
<b>13</b>	<b>OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils and those in chapters 05, 12 and 19)</b>
<b>13 02</b>	<b>waste engine, gear and lubricating oils</b>
13 02 05*	mineral based non-chlorinated engine, gear and lubricating oils
13 02 06*	synthetic engine, gear and lubricating oils
13 02 07*	readily biodegradable engine, gear and lubricating oils
13 02 08*	other engine, gear and lubricating oils (from householders only)
<b>15</b>	<b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS 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
15 01 03	wooden packaging
15 01 04	metallic packaging
15 01 05	composite packaging (only biodegradable organic packaging)
15 01 06	mixed packaging
15 01 07	glass packaging
15 01 08*	packaging containing residues of or contaminated by dangerous substances
15 01 09	textile packaging
15 01 11*	metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers
<b>15 02</b>	<b>absorbents, filter materials, wiping cloths and protective clothing</b>
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
<b>16</b>	<b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>
<b>16 02</b>	<b>wastes from electrical and electronic equipment</b>
16 02 12*	discarded equipment containing free asbestos
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
<b>16 05</b>	<b>gases in pressure containers and discarded chemicals</b>
16 05 04*	gases in pressure containers (including halons) containing dangerous substances
16 05 05	gases in pressure containers other than those mentioned in 16 05 04
<b>16 06</b>	<b>batteries and accumulators</b>
16 06 01*	lead batteries

**Table S2.1 Waste types and quantities – HCI Transfer & Treatment Station****Maximum Quantities**

The total quantity of waste accepted at the site shall not exceed 100,000 tonnes a year.

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Malodorous wastes

<b>Waste Code</b>	<b>Description</b>
16 06 02*	ni-Cd batteries
16 06 03*	mercury-containing batteries
16 06 04	alkaline batteries (except 16 06 03)
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</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 ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
<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 01*	bituminous mixtures containing coal tar
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 03 03*	coal tar and tarred products
<b>17 04</b>	<b>metals (including their alloys)</b>
17 04 01	copper, bronze, brass
17 04 02	aluminium
17 04 05	iron and steel
17 04 07	mixed metals
<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

**Table S2.1 Waste types and quantities – HCI Transfer & Treatment Station****Maximum Quantities**

The total quantity of waste accepted at the site shall not exceed 100,000 tonnes a year.

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Malodorous wastes

<b>Waste Code</b>	<b>Description</b>
<b>17 06</b>	<b>insulation materials and asbestos-containing construction materials</b>
17 06 01*	insulation materials containing asbestos
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 06 05*	construction materials containing asbestos
<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 wastes</b>
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous substances
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 PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE</b>
<b>19 05</b>	<b>wastes from the 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 wastes
19 05 03	off-specification compost
<b>19 06</b>	<b>wastes from anaerobic treatment of waste</b>
19 06 03	liquor from anaerobic treatment of municipal waste
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
<b>19 08</b>	<b>wastes from waste water treatment plants not otherwise specified</b>
19 08 02	washed sewage grit (waste from desanding) free from sewage contamination only
19 08 05	sludges from treatment of urban waste water
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 08 99	wastes not otherwise specified (stone filter media)
<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 02	sludges from water clarification
19 09 03	sludges from decarbonation

**Table S2.1 Waste types and quantities – HCI Transfer & Treatment Station****Maximum Quantities**

The total quantity of waste accepted at the site shall not exceed 100,000 tonnes a year.

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Malodorous wastes

<b>Waste Code</b>	<b>Description</b>
<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 05	clean glass only
19 12 07	wood other than that mentioned in 19 12 06
19 12 09	minerals (for example sand, stones)
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 remediation</b>
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
<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
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 13*	solvents
20 01 14*	acids
20 01 15*	alkalines
20 01 17*	photochemicals
20 01 19*	pesticides
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons
20 01 25	edible oil and fat
20 01 26*	oil and fat other than those mentioned in 20 01 25
20 01 27*	paint, inks, adhesives and resins containing dangerous substances
20 01 28	paint, inks, adhesives and resins other than those mentioned in 20 01 27

**Table S2.1 Waste types and quantities – HCI Transfer & Treatment Station****Maximum Quantities**

The total quantity of waste accepted at the site shall not exceed 100,000 tonnes a year.

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Malodorous wastes

<b>Waste Code</b>	<b>Description</b>
20 01 29*	detergents containing dangerous substances
20 01 30	detergents other than those mentioned in 20 01 29
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 34	batteries and accumulators other than those mentioned in 20 01 33
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 and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 37*	wood containing dangerous substances
20 01 38	wood other than that mentioned in 20 01 37 (where no non-biodegradable coating or preserving substance present)
20 01 39	plastics (only if independently certified to European standard EN 14995)
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 03	street-cleaning residues
20 03 07	bulky waste

**Table S2.2 Waste types and quantities – Open windrow composting ‘PAD’****Maximum Quantities**

The total quantity of waste accepted at the site shall not exceed 100,000 tonnes a year.

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Hazardous wastes

<b>Waste Code</b>	<b>Description</b>
<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 agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 03	plant-tissue waste
02 01 04	waste plastics (BIODEGRADABLE packaging only)
02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
02 01 07	wastes from forestry – only if plant material
02 01 99	wastes not otherwise specified (mushroom compost only)
<b>02 02</b>	<b>wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 99	horse manure, farmyard manure and bedding
<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 04	biodegradable materials unsuitable for consumption or processing (biodegradable only)
<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 (for blending at the end of the composting process only)
<b>02 06</b>	<b>wastes from the baking and confectionery industry</b>
02 06 01	materials unsuitable for consumption or processing
<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 04	materials unsuitable for consumption or processing
02 07 99	wastes not otherwise specified (malt husks, malt sprouts, yeast and yeast-like residues only)
<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 01 05	sawdust, shavings, wood, particle board and veneer other than those containing dangerous substances other than 03 01 04.
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 01	waste bark and wood

**Table S2.2 Waste types and quantities – Open windrow composting ‘PAD’****Maximum Quantities**

The total quantity of waste accepted at the site shall not exceed 100,000 tonnes a year.

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Hazardous wastes

<b>Waste Code</b>	<b>Description</b>
03 03 05	de-inking sludge from paper recycling
03 03 07	mechanically separated rejects from pulping of waste paper and cardboard
03 03 09	lime mud waste (for blending at the end of the composting process only)
03 03 10	fibre rejects only (not containing hazardous substances)
<b>04</b>	<b>WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES</b>
<b>04 02</b>	<b>wastes from the leather and fur industry</b>
04 02 10	organic matter from natural products (un-dyed and untreated, for example grease, wax)
<b>15</b>	<b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS 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 (not containing non-biodegradable veneers or plastics)
15 01 03	wooden packaging (untreated)
15 01 05	composite packaging (only biodegradable organic packaging)
15 01 09	textile packaging (only entirely natural fibres)
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>
<b>17 02</b>	<b>wood, glass and plastic</b>
17 02 01	wood (only entirely natural fibres)
<b>17 05</b>	<b>soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 06	dewatered dredging spoil and plant tissue waste from inland waters, not containing Japanese Knotweed and not containing dangerous substances'
<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 05</b>	<b>wastes from aerobic treatment of solid wastes</b>
19 05 03	off-specification compost
<b>19 06</b>	<b>wastes from anaerobic treatment of wastes</b>
19 06 04	digestate from anaerobic treatment of municipal wastes
<b>19 08</b>	<b>Wastes from waste water treatment plants not otherwise specified</b>
19 08 05	sludges from treatment of urban waste water
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
<b>19 09</b>	<b>wastes from the preparation of water intended for human consumption or water for industrial use</b>

**Table S2.2 Waste types and quantities – Open windrow composting ‘PAD’****Maximum Quantities**

The total quantity of waste accepted at the site shall not exceed 100,000 tonnes a year.

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Hazardous wastes

<b>Waste Code</b>	<b>Description</b>
19 09 01	solid waste from primary filtration and screenings
19 09 02	sludges from water clarification (organic waste only)
19 09 03	sludges from decarbonation (organic waste only)
<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 not containing non-biodegradable veneers or plastics
19 12 07	wood other than that mentioned in 19 12 06
<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 38	wood other than that mentioned in 20 01 37
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 01	biodegradable waste (comprising wood and plant tissue only)
20 02 02	soil and stones (for blending at the end of the composting process)
<b>20 03</b>	<b>other municipal wastes</b>
20 03 02	waste from markets (biodegradable only)



**Table S2.3 Permitted waste types and quantities for the production of soil, soil substitutes and aggregates**

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Hazardous wastes

<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 04</b>	<b>wastes from physical and chemical processing of non-metalliferous minerals</b>
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
<b>02</b>	<b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>
<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 (shells for soils only)
<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
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 01	waste bark and wood
<b>10</b>	<b>WASTES FROM THERMAL PROCESSES</b>
<b>10 01</b>	<b>waste from power stations and other combustion plants</b>
10 01 01	bottom ash and slag only
10 01 02	coal fly ash only
10 01 05	calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
<b>10 11</b>	<b>wastes from manufacture of glass and glass products</b>
10 11 12	clean glass other than those mentioned in 10 11 11
<b>10 12</b>	<b>wastes from manufacture of ceramic goods, brick, stiles and construction products</b>
10 12 08	waste ceramics, bricks, tiles and construction products(after thermal processing)
<b>10 13</b>	<b>wastes from manufacture of cement, lime and plaster products and articles and products made from them</b>
10 13 14	waste concrete only
<b>15</b>	<b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>
<b>15 01</b>	<b>packaging (including separately collected municipal packaging waste)</b>
15 01 07	glass packaging
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</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 ceramics

**Table S2.3 Permitted waste types and quantities for the production of soil, soil substitutes and aggregates**

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Hazardous wastes

<b>Waste code</b>	<b>Description</b>
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
<b>17 02</b>	<b>wood, glass and plastic</b>
17 02 02	glass
<b>17 03</b>	<b>bituminous mixtures, coal tar and tarred products</b>
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
<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>19</b>	<b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE</b>
<b>19 05</b>	<b>wastes from the aerobic treatment of solid wastes</b>
19 05 03	off-specification compost
<b>19 08</b>	<b>wastes from waste water treatment plants not otherwise specified</b>
19 08 02	washed sewage grit (waste from desanding) free from sewage contamination only
19 08 99	wastes not otherwise specified (stone filter media)
<b>19 09</b>	<b>wastes from the preparation of water intended for human consumption or water for industrial use</b>
19 09 02	sludges from water clarification
<b>19 12</b>	<b>wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 05	clean glass only
19 12 09	minerals (for example sand, stones)
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 remediation</b>
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
<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 02	glass
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 02	soil and stones

**Table S2.4 Permitted waste types and quantities for the production of soil, soil substitutes and aggregates**

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Hazardous wastes

<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 wastes</b>
20 03 03	street-cleaning residues

**Table S2.5 Waste types and quantities for closed vessel composting**

**Maximum Quantities**

The total quantity of waste accepted at the site shall be less than 100,000 tonnes a year.

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Hazardous wastes

<b>Waste Code</b>	<b>Description</b>
<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 agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 01	sludges from washing and cleaning (food preparation and processing waste, food washing only)
02 01 02	animal tissue waste
02 01 03	plant-tissue waste
02 01 06	animal faeces, urine and manure (including spoiled straw)
02 01 07	wastes from forestry (comprising wood and plant tissue)
02 01 99	wastes not otherwise specified (mushroom compost only)
<b>02 02</b>	<b>wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 01	sludges from washing and cleaning (process water and food washing waste only)
02 02 02	animal tissue waste
02 02 03	materials unsuitable for consumption or processing
02 02 99	wastes not otherwise specified (horse manure, farmyard manure and bedding only)
<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 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 04	biodegradable materials unsuitable for consumption or processing (other than those containing dangerous substances)

**Table S2.5 Waste types and quantities for closed vessel composting****Maximum Quantities**

The total quantity of waste accepted at the site shall be less than 100,000 tonnes a year.

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Hazardous wastes

<b>Waste Code</b>	<b>Description</b>
02 03 05	sludges from on-site effluent treatment
<b>02 05</b>	<b>wastes from the dairy products industry</b>
02 05 01	biodegradable materials unsuitable for consumption or processing (other than those containing dangerous substances)
<b>02 06</b>	<b>wastes from the baking and confectionery industry</b>
02 06 01	biodegradable materials unsuitable for consumption or processing (other than those containing dangerous substances)
<b>02 07</b>	<b>wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b>
02 07 01	spent grains or hops.
02 07 02	whisky filter sheets or cloths.
02 07 04	material unsuitable for consumption or processing
02 07 99	Wastes not otherwise specified (malt husks, malt sprouts, spent grains, sludges from the production process, yeast and yeast-like residues only)
<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 01 05	Sawdust, shavings, wood, particle board and veneer other than those containing dangerous substances other than 03 01 04. Untreated wood only. NO VENEERS OR PRESERVATIVES
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 01	waste bark and wood
03 03 10	fibre rejects (not containing hazardous substances)
<b>04</b>	<b>WASTES FROM THE LEATHER FUR AND TEXTILE INDUSTRIES</b>
<b>04 02</b>	<b>Waste from the textile industry</b>
04 02 10	organic matter from natural products (from example grease, wax)
<b>15</b>	<b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS 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 not containing veneers or plastic coated.
15 01 03	wooden packaging (untreated)
15 01 05	composite packaging (only biodegradable organic packaging)
15 01 09	textile packaging (only entirely natural fibres)

**Table S2.5 Waste types and quantities for closed vessel composting****Maximum Quantities**

The total quantity of waste accepted at the site shall be less than 100,000 tonnes a year.

**Exclusions**

Wastes having any of the following characteristics shall not be accepted:

- Consisting solely or mainly of dusts, powders or loose fibres
- Hazardous wastes

<b>Waste Code</b>	<b>Description</b>
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>
<b>17 02</b>	<b>wood, glass and plastic</b>
17 02 01	wood (untreated)
<b>19</b>	<b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE</b>
<b>19 05</b>	<b>wastes from the aerobic treatment of solid wastes</b>
19 05 03	off-specification compost (only if the compost is derived from input types allowed by the QP requirements)
<b>19 06</b>	<b>waste from the anaerobic treatment of waste</b>
19 06 03	liquor from anaerobic treatment of municipal waste
19 06 04	digestate from anaerobic treatment of municipal waste
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
<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 08	biodegradable kitchen and canteen waste
20 01 25	edible oil and fat
20 01 38	wood other than that mentioned in 20 01 37 (where no non-biodegradable coating or preserving substance present)
<b>20 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 01	biodegradable waste (comprising wood and plant tissue)
<b>20 03</b>	<b>other municipal wastes</b>
20 03 01	mixed municipal waste (must be separately collected biodegradable wastes allowed under the Quality Protocol for compost only)
20 03 02	biodegradable waste from markets

## Schedule 3 – Emissions and monitoring

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

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Rainwater effluent lagoon located on the external pad area	No parameters set	Surface water from external pad area	None specified	Every inspection	Daily	Visual inspection
Interceptor East	No parameters set	Surface water from external yard	None specified	Every inspection	As required	Visual inspection
Interceptor West	No parameters set	Surface water from CA site yard	None specified	Every inspection	As required	Visual inspection

**Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements**

Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
IVC Effluent tanks	No parameters set	Site effluent holding tanks and bunded area	None specified	Every inspection	As required	Visual inspection
HCI Transfer and Treatment Facility bunded waste oil tank area	No parameters set	Holding tank & overspill	None specified	Every inspection	As required	Visual inspection

**Table S 3.3 Process monitoring requirements**

Monitoring point	Substance or parameter	Monitoring frequency	Monitoring method	Other specifications
Internal for each enclosed composting vessel	Temperature	Continuous	Thermocouple probe	None
	Moisture	As required	Moisture meter or touch test	None
Internal for each windrow and for any sample of waste or compost	Temperature	As required	Thermocouple probe	Monitoring shall be carried out to ensure aerobic conditions are maintained and to prevent waste becoming anaerobic
	Moisture	As required	Moisture meter or moisture touch test	

**Table S 3.3 Process monitoring requirements**

Monitoring point	Substance or parameter	Monitoring frequency	Monitoring method	Other specifications
Bio filter	Temperature, moisture, thatching and compaction	As required	Thermocouple probe and moisture meter or touch test	Bio filters should be regularly checked and maintained to ensure appropriate temperature and moisture content.

**Table S3.4 Bioaerosol monitoring requirements**

Location or description of point of measurement	Parameter	Bioaerosol threshold limits CFU m <sup>-3</sup> )	Monitoring frequency	Monitoring standard or method	Other specifications
Bio aerosols shall be monitored at a minimum of three separate locations, as described in the Industry Standard Protocol	Gram-negative bacteria	300	Quarterly	In accordance with the Industry Standard Protocol, and, for gram-negative bacteria, together with the Environment Agency's "Guidance on the evaluation of bioaerosol risk assessments for composting facilities"	As described in the Industry Standard Protocol, including all the additional data requirements specified therein
	Total bacteria	1000			
	Aspergillus Fumigatus	500			

**Table S3.5 Surface water monitoring requirements**

Location or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
The watercourse adjacent to the site which flows south before joining the Afon-y-Bantwen	Any visible oil and grease	Weekly or as agreed in writing with the Environment Agency	Visual inspections	-

## 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	Reporting period	Period begins
Bioaerosol monitoring as required by condition 3.5.1(c)	Quarterly or as agreed in writing by the Environment Agency	1 January, 1 April, 1 July, 1 October

**Table S4.2 Reporting forms**

Media/parameter	Reporting format
Bioaerosol monitoring	As specified in the Industry Standard Protocol or other form as agreed in writing by the Environment Agency



## Schedule 5 - Notification

These pages outline the information that the operator must provide.

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

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

### Part A

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

#### **(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution**

<b>To be notified within 24 hours of detection</b>	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

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

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

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

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

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

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

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

\* authorised to sign on behalf of the operator

## Schedule 6 - Interpretation

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

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

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

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

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

*“bioaerosol threshold limits”* means the maximum acceptable bioaerosol concentrations at the nearest sensitive receptor, or at an equivalent distance downwind of the composting operations, which are attributable to the composting operations. The maximum acceptable concentrations are respectively 300, 1000 and 500 CFU m<sup>-3</sup> for gram-negative bacteria, total bacteria and *Aspergillus fumigatus*,

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

*“compost”* means solid particulate material that is the result of composting, which has been *sanitised* and *stabilised*, and which confers beneficial effects when added to soil, used as a component of growing media or used in another way in conjunction with plants.

*“composting”* means the biological decomposition of organic materials, under conditions that are predominantly aerobic and that allow the development of thermophilic temperatures as a result of biologically produced heat.

*“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 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.

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

*“groundwater”* 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).

*“Industry Standard Protocol”* means “A standardised protocol for the monitoring of bio aerosols at open composting facilities” published by the Association for Organics Recycling and developed in conjunction with the Environment Agency

*“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.

*“MCERTS”* means the Environment Agency’s Monitoring Certification Scheme.

*“nearest sensitive receptors”* means the nearest place to the composting operations where people are likely to be for prolonged or frequent periods. This term would therefore apply to dwellings (including any associated gardens) and to workplaces where workers would frequently be present. It does not apply to the operators of composting facilities or their staff while carrying out the composting operation as their health is covered by Health and Safety legislation.

*“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

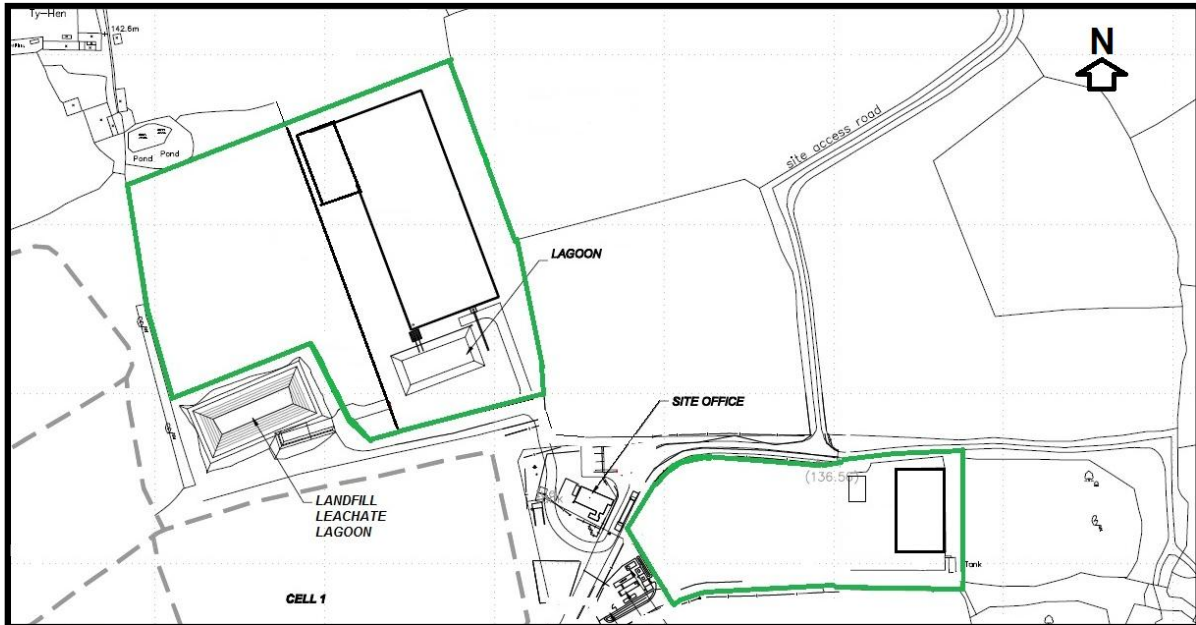
*“WEEE”* means waste electrical and electronic equipment.

*“WEEE Directive”* means Directive 2002/96/EC of the European Parliament and of the Council of 27th January 2003 on waste electrical and electronic equipment (WEEE) as amended by Directive 2003/108/EC of the European Parliament and of the Council of 8th December 2003 on waste electrical and electronic equipment (WEEE).

*“year”* means calendar year ending 31 December.

## Schedule 7 - Site plan

OS Grid Reference (Entry point to HCI Site): SN47393 17563



©Crown Copyright. All rights reserved. Environment Agency, 100026380, 2012.

END OF PERMIT