

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Agriorganics Ltd
Unit 25 - The Hangar
Causewayhead
Silloth
Wigton
Cumbria
CA7 4PE

Variation application number

EPR/HP3299VV/V005

Permit number

EPR/HP3299VV

Unit 25 - The Hangar

Permit number EPR/HP3299VV

Introductory note

This introductory note does not form a part of the notice

The following notice gives notice of the variation of an environmental permit.

The operator has applied to:

- Include an additional treatment for Activity A; being the mechanical sorting, separation, screening, baling, shredding, crushing or compaction of wastes, entering and leaving both the in-vessel composting (A2 activity), biological treatment (A4 activity) and waste transfer station (A1 activity). The restriction on the existing biological treatment activity (A4 activity), to accept only organic fines from Mechanical Biological Treatment (MBT), is now removed, allowing mechanically as well as both mechanically and biologically treated waste to be accepted in accordance with the Operating techniques. All wastes codes except 19 12 12 are deleted from Schedule 2 table S2.4 as these wastes are no longer required for biological treatment.
- The operator has applied to expand the number of specified 'organic fines' producers to include sources that have been only subject to mechanical as well as mechanical and biological treatment (Schedule 2, A4 activity). Schedule 1, table S1.2 and Schedule 2, table S2.4 have been amended accordingly.
- Include a new activity, the composting in open windrow systems (Activity A5), which concerns the treatment of the organic fraction arising specifically from road sweepings (20 03 03).

Included in this variation is an Environment Agency initiated variation to amend Schedule 2, table S2.1(linked to A1 activity) to include two new waste codes (10 13 12*, 19 02 04*) to bring it into line with Standard Rules 2010No.4, and to remove the exclusion that prevents the acceptance of four waste types listed within this table since these are powders by their nature. Also included is an Environment Agency initiated variation to amend Schedule 2, table S2.3 to include two new waste codes (10 13 13 and 19 02 04*) to bring it in line with Standard Rules 2010No.4.

The schedules specify the changes made to the original permit.

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

:

Status log of the permit		
Description	Date	Comments
Application received EPR/HP3299VV/A001	Duly made 01/07/10	Application for standard rules SR2008No3_75kte.
Permit determined EPR/HP3299VV	12/07/10	Permit issued to Agriorganics Ltd.
Variation application EPR/HP3299VV/V002	Duly made 14/10/11	Application to vary to extend the site boundary.
Variation determined EPR/HP3299VV	29/11/11	Varied permit issued.
Variation application EPR/HP3299VV/V003	Duly made 03/04/12	Application to add three waste types and to allow waste transfer activities, mixing and blending activities and composting activities. Variation resulted in the issue of bespoke conditions and the deletion of standard rules SR2008No3_75kte from the permit
Variation determined EPR/HP3299VV	31/08/12	Varied permit issued.
Variation application EPR/HP3299VV/V004	Duly made 02/11/12	Application to add waste types to the permit, add a biological treatment activity and to reduce the total annual quantity of waste accepted at the site for composting. An Environment Agency variation is included to add monitoring conditions, to remove the exclusions within schedule 2, table S2.3 and to add a 75 tonnes in any one day limit for the aggregate quantity of waste treated at the site for the A2 and A4 activities.
Additional information received in response to Schedule 5 notice dated 16/11/12	03/01/13	Application contact submitted the following documents in response to the Schedule 5 notice: • Schedule 5 notice response email dated 03/01/13 • Applicant confirmed that waste codes 10 01 01 and 10 01 03 no longer required • Analytical data for fines from FCC Environment at Melton (report dated Dec 12) and analytical data from The Maltings composted material (report dated 26/06/12) • Agri-organics IVC Composting Facility Baseline Bioaerosols Sampling September 2012 Report • Hazard Analysis Critical Control Point (HACCP) Plan dated 20/09/12 • Application and Inspection form for approval to treat animal by-products and/or catering waste in composting or biogas plants (Rev 06/12)
Additional information received in response to Schedule 5 notice dated 16/11/12	08/01/13	Application contact submitted the following documents in response to the Schedule 5 notice: • Schedule 5 notice response email dated 08/01/13 • Analytical data from Shanks Waste Management (report dated 21/08/12)
Additional information received in response to Schedule 5 notice dated 01/02/13	14/02/13	Application contact submitted the following documents in response to the Schedule 5 notice: • Environmental Management System, Hangar 25 - Version 6 dated 14 February 2013 • Applicant confirmed that waste code 10 13 04 no longer required

Status log of the permit		
Description	Date	Comments
Additional information received in response to Schedule 5 notice dated 01/02/13	20/02/13	Application contact submitted the following revised document in response to the Schedule 5 notice: Environmental Management System, Hangar 25 - Version 7 dated 20 February 2013
Variation determined EPR/HP3299VV	08/03/13	Varied permit issued.
Variation application EPR/HP3299VV/V005	Duly made 10/02/14	Application to vary the permit.
Additional information received in response to Area Office compliance review	25/09/14	- DR4 report – Biodegradability of MBT fines, dated 18/9/14. - Waste acceptance criteria version 5, dated October 2014.
Additional information received in response to Schedule 5 notice dated 29/05/14	22/05/15	Application contact submitted the following revised document in response to the Schedule 5 notice: - Environmental Management System v11.4 dated 19/5/2015. - Non Technical Summary (in line with EMS Version 11.4), dated 19 May 2015.
Additional information received in response to Schedule 5 notice dated 29/05/14	19/06/15	Application contact submitted the following revised document in response to the Schedule 5 notice: Supplementary table 1.0 Agriorganics – Suppliers of non-source segregated waste, dated 19 June 2015.
Variation determined EPR/HP3299VV	09/07/15	Varied permit issued.

End of introductory note

Notice of variation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

Permit number

EPR/HP3299VV

Issued to

Agriorganics Ltd ("the operator")

whose registered office is

Arkleby Hall

Arkleby

Wigton

Cumbria

CA7 2BQ

company registration number 05810695

to operate a regulated facility at

Unit 25 - The Hangar

Causewayhead

Silloth

Wigton

Cumbria

CA7 4PE

to the extent set out in the schedules.

The notice shall take effect from 09/07/2015

Name	Date
Ian Brindley	09/07/2015

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as a result of the application made by the operator

Condition 2.3.2

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
- (b) it conforms to the description in the documentation supplied by the producer and holder.

Schedule 1, table S1.1

Schedule 1, table S1.2

Schedule 2, table S2.4

(see amended tables below)

The following conditions are amended as detailed, following an Environment Agency initiated variation

Schedule 2, table S2.1

Schedule 2, table S2.3

(see amended tables below)

Schedule 6, Interpretation

Schedule 3 – conditions to be added

The following conditions are added as a result of the application made by the operator

Schedule 2, table S2.5

(see table below)

Table S1.1 activities		
Activity reference	Description of activities for waste operations	Limits of activities
A1 – Household, commercial and industrial waste transfer station with treatment	D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it was produced) R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced) D14: Repackaging prior to submission to any of the operations numbered D1 to D13 R3: Recycling/reclamation of organic substances which are not used as solvents R4: Recycling/reclamation of metals and metal compounds R5: Recycling/reclamation of other inorganic materials	Treatment consisting only of manual & mechanical sorting, separation, screening, baling, shredding, crushing or compaction of waste into different components for disposal (no more than 50 tonnes per day) or recovery. No more than a total of 50 tonnes of intact and shredded waste vehicle tyres (waste codes 16 01 03 and 19 12 04) shall be stored at the site. Waste types as specified in table S2.1.
A2 – Composting in closed systems (in-vessel composting)	R13: Storage of wastes pending any of the operations numbered R1 to R12 R3: Recycling/reclamation of organic substances which are not used as solvents	Physical and mechanical treatment, composting and maturation of the types of waste listed in table S2.2 to produce compost. Secure storage of wastes listed in table S2.2. The aggregate quantity of waste treated at the site for the A2 and A4 activities shall be no more than 75 tonnes in any one day. The treatment capacity of any plant shall not exceed 10 tonnes per day of animal waste. The total waste stored and treated shall not consist of more than: (i) one sixth paper or cardboard; (ii) one third manure; (iii) one sixth in total of all wastes listed in table S2.2. The storage, physical treatment, composting and maturation of wastes shall take place only in a contained system on an impermeable surface with sealed drainage system. The storage, physical treatment and composting of wastes under anaerobic conditions shall be prevented. 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 and/or equivalent abatement

Table S1.1 activities		
Activity reference	Description of activities for waste operations	Limits of activities
		system. The bio-filter and/or equivalent abatement system shall be specifically designed to minimise the release of odour, bio-aerosols and micro-organisms and maintained for the process undertaken and be fit for purpose. Waste types as specified in table S2.2.
A3 – Blending and mixing	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced) R5: Recycling/ reclamation of other inorganic compounds	Treatment of wastes listed in table S2.3 consisting only of mixing for the purpose of blending and recovery as a soil fertiliser. Waste for blending must be able to be used without risk to the end receiving soil. The total quantities of wastes in storage or undergoing mixing and blending treatment shall not exceed 8000 tonnes at any one time. No more than 10 tonnes per day of hazardous waste to be treated at the site for recovery under an [R5] activity. Waste types as specified in table S2.3.
A4 – Biological treatment in closed systems (in-vessel composting) of organic fines	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced) R3: Recycling/reclamation of organic substances which are not used as solvents	Treatment consisting of manual and mechanical screening and separation of wastes listed in table S2.4. Treatment of wastes listed in table S2.4 consisting of biological treatment in closed systems (in-vessel composting) of organic fines in accordance with the operating techniques referenced in table S1.2. The aggregate quantity of waste treated at the site for the A2 and A4 activities shall be no more than 75 tonnes in any one day. The treatment capacity of any plant shall not exceed 10 tonnes per day of animal waste. Waste types as specified in table S2.4.
A5 – Composting in open windrow systems	R13: Storage of waste pending any of the operations numbered R1 to R12 R3: Recycling/reclamation of organic substances which are not used as solvents	Secure storage of wastes listed in table S2.5. Physical treatment, composting and maturation of the types of waste listed in table S2.5 Waste types as specified in table S2.5.

Table S1.2. Operating techniques		
Description	Parts	Date Received
Application	Section 3a of part C4 of application form. Guidance on how to comply with environmental permit.	03/04/12
Application	Odour management plan – January 2011.	03/04/12
Environmental Management System v11.4 dated 19/5/2015	Section 6(i) Waste acceptance & operational procedures for biological treatment of organic fines. Section 7(i) Waste acceptance & operational procedures for biological treatment of road sweepings.	22/05/15
Supplementary table 1.0	Agriorganics – Suppliers of non-source segregated waste. Date: 19 June 2015.	19/06/15

Table S2.1 Permitted waste types and quantities for A1 activity, household, commercial and industrial waste transfer	
Maximum quantity	
The total quantity of waste accepted at the site for activity A1 shall be less than 75,000 tonnes per annum	
Exclusions	
Wastes having any of the following characteristics shall not be accepted:	
- Consisting solely or mainly of dusts, powders or loose fibres (this exclusion does not apply to the waste codes: 10 13 12*, 10 13 13, 19 02 03 and 19 02 04*) - Wastes that are in a form which is either sludge or liquid	
Waste code	Description
01	Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals
01 01	wastes from mineral excavation
01 01 01	wastes from mineral metalliferous excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 03	wastes from physical and chemical processing of metalliferous minerals
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 the wastes mentioned in 01 03 10
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	waste gravel and crushed rocks other 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
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 03	plant-tissue waste
02 01 04	waste plastics (except packaging)
02 01 07	wastes from forestry
02 01 10	waste metal

Table S2.1 Permitted waste types and quantities for A1 activity, household, commercial and industrial waste transfer

Maximum quantity

The total quantity of waste accepted at the site for activity A1 shall be less than 75,000 tonnes per annum

Exclusions

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

- Consisting solely or mainly of dusts, powders or loose fibres (this exclusion does not apply to the waste codes: 10 13 12*, 10 13 13, 19 02 03 and 19 02 04*)
- Wastes that are in a form which is either sludge or liquid

Waste code	Description
02 02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 03	materials unsuitable for consumption or processing
02 03	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
02 03 04	materials unsuitable for consumption or processing
02 04	wastes from sugar processing
02 04 01	soil from cleaning and washing beet
02 04 02	off-specification calcium carbonate
02 05	wastes from the dairy products industry
02 05 01	materials unsuitable for consumption or processing
02 06	wastes from the baking and confectionery industry
02 06 01	materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
02 07	wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
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
03	Wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard
03 01	wastes from wood processing and the production of panels and furniture
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
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
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 10	fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
04	Wastes from the leather, fur and textile industries
04 01	wastes from the leather and fur industry
04 01 08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	wastes from dressing and finishing
04 02	wastes from the textile industry
04 02 21	wastes from unprocessed textile fibres

Table S2.1 Permitted waste types and quantities for A1 activity, household, commercial and industrial waste transfer

Maximum quantity

The total quantity of waste accepted at the site for activity A1 shall be less than 75,000 tonnes per annum

Exclusions

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

- Consisting solely or mainly of dusts, powders or loose fibres (this exclusion does not apply to the waste codes: 10 13 12*, 10 13 13, 19 02 03 and 19 02 04*)
- Wastes that are in a form which is either sludge or liquid

Waste code	Description
04 02 22	wastes from processed textile fibres
06	Wastes from inorganic chemical processes
06 09	wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes
06 09 02	phosphorous slag
06 09 04	calcium-based reaction wastes other than those mentioned in 06 09 03
06 11	wastes from the manufacture of inorganic pigments and opacifiers
06 11 01	calcium-based reaction wastes from titanium dioxide production
07	Wastes from organic chemical processes
07 02	wastes from the MFSU of plastics, synthetic rubber and man-made fibres
07 02 13	waste plastic
09	Wastes from the photographic industry
09 01	wastes from the photographic industry
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
10	Wastes from thermal processes
10 01	wastes from power stations and other combustion plants (except 19)
10 01 01	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
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
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 24	sands from fluidised beds
10 02	wastes from the iron and steel industry
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 14	sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	other sludges and filter cakes
10 03	wastes from aluminium thermal metallurgy
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

Table S2.1 Permitted waste types and quantities for A1 activity, household, commercial and industrial waste transfer

Maximum quantity

The total quantity of waste accepted at the site for activity A1 shall be less than 75,000 tonnes per annum

Exclusions

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

- Consisting solely or mainly of dusts, powders or loose fibres (this exclusion does not apply to the waste codes: 10 13 12*, 10 13 13, 19 02 03 and 19 02 04*)
- Wastes that are in a form which is either sludge or liquid

Waste code	Description
10 03 24	solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26	sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
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
10 04	wastes from lead thermal metallurgy
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05	wastes from zinc thermal metallurgy
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
10 06	wastes from copper thermal metallurgy
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
10 07	wastes from silver, gold and platinum thermal metallurgy
10 07 01	slags from primary and secondary production
10 07 02	dross and skimmings from primary and secondary production
10 07 03	solid wastes from gas treatment
10 07 05	sludges and filter cakes from gas treatment
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08	wastes from other non-ferrous thermal metallurgy
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 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09	wastes from casting of ferrous pieces
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
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
10 10	wastes from casting of non-ferrous pieces
10 10 03	furnace slag

Table S2.1 Permitted waste types and quantities for A1 activity, household, commercial and industrial waste transfer

Maximum quantity

The total quantity of waste accepted at the site for activity A1 shall be less than 75,000 tonnes per annum

Exclusions

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

- Consisting solely or mainly of dusts, powders or loose fibres (this exclusion does not apply to the waste codes: 10 13 12*, 10 13 13, 19 02 03 and 19 02 04*)
- Wastes that are in a form which is either sludge or liquid

Waste code	Description
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
10 11	wastes from manufacture of glass and glass products
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 16	solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	sludges and filter cakes from flue-gas treatment other than those mentioned in 10 11 17
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 01	waste preparation mixture before thermal processing
10 12 05	sludges and filter cakes from gas treatment
10 12 06	discarded moulds
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 12	wastes from glazing other than those mentioned in 10 12 11
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 01	waste preparation mixture before thermal processing
10 13 04	wastes from calcination and hydration of lime
10 13 07	sludges and filter cakes from gas treatment
10 13 10	wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 12*	solid wastes from gas treatment containing hazardous substances (wastes from cement kiln production process only)
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	waste concrete and concrete sludge
11	Wastes from chemical surface treatment and coating of metals and other materials; non-ferrous hydro-metallurgy
11 01	wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)
11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
11 01 14	degreasing wastes other than those mentioned in 11 01 13

Table S2.1 Permitted waste types and quantities for A1 activity, household, commercial and industrial waste transfer

Maximum quantity

The total quantity of waste accepted at the site for activity A1 shall be less than 75,000 tonnes per annum

Exclusions

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

- Consisting solely or mainly of dusts, powders or loose fibres (this exclusion does not apply to the waste codes: 10 13 12*, 10 13 13, 19 02 03 and 19 02 04*)
- Wastes that are in a form which is either sludge or liquid

Waste code	Description
11 02	wastes from non-ferrous hydrometallurgical processes
11 02 03	wastes from the production of anodes for aqueous electrolytical processes
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
11 05	wastes from hot galvanising processes
11 05 01	hard zinc
11 05 02	zinc ash
12	Wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01	wastes from shaping and physical and mechanical surface treatment of metals and plastics
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 material 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
15	Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
15 01	packaging (including separately collected municipal packaging waste)
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
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
15 02	absorbents, filter materials, wiping cloths and protective clothing
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
16	Wastes not otherwise specified in the list
16 01	end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 03	end-of-life tyres
16 02	wastes from electrical and electronic equipment
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15

Table S2.1 Permitted waste types and quantities for A1 activity, household, commercial and industrial waste transfer

Maximum quantity

The total quantity of waste accepted at the site for activity A1 shall be less than 75,000 tonnes per annum

Exclusions

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

- Consisting solely or mainly of dusts, powders or loose fibres (this exclusion does not apply to the waste codes: 10 13 12*, 10 13 13, 19 02 03 and 19 02 04*)
- Wastes that are in a form which is either sludge or liquid

Waste code	Description
16 03	off-specification batches and unused products
16 03 04	inorganic wastes other than those mentioned in 16 03 03
16 03 06	organic wastes other than those mentioned in 16 03 05
16 06	batteries and accumulators
16 06 04	alkaline batteries (except 16 06 03)
16 06 05	other batteries and accumulators
16 11	waste linings and refractories
16 11 02	carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04	other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 01	concrete, bricks, tiles and ceramics
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	wood, glass and plastic
17 02 01	wood
17 02 02	glass
17 02 03	plastic
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 04	metals (including their alloys)
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
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 08	track ballast other than those mentioned in 17 05 07

Table S2.1 Permitted waste types and quantities for A1 activity, household, commercial and industrial waste transfer

Maximum quantity

The total quantity of waste accepted at the site for activity A1 shall be less than 75,000 tonnes per annum

Exclusions

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

- Consisting solely or mainly of dusts, powders or loose fibres (this exclusion does not apply to the waste codes: 10 13 12*, 10 13 13, 19 02 03 and 19 02 04*)
- Wastes that are in a form which is either sludge or liquid

Waste code	Description
17 06	insulation materials and asbestos-containing construction materials
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 08	gypsum-based construction material
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
17 09	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19	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
19 01	wastes from incineration or pyrolysis of waste
19 01 02	ferrous materials removed from bottom ash
19 01 12	bottom ash and slag other than those mentioned in 19 01 11
19 01 18	pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	sands from fluidised beds
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 04*	cement kiln dust and by-pass dust from cement kilns conditioned with water only
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
19 04	vitrified waste and wastes from vitrification
19 04 01	vitrified waste
19 05	wastes from aerobic treatment of solid wastes
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
19 12	wases from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
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)

Table S2.1 Permitted waste types and quantities for A1 activity, household, commercial and industrial waste transfer

Maximum quantity

The total quantity of waste accepted at the site for activity A1 shall be less than 75,000 tonnes per annum

Exclusions

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

- Consisting solely or mainly of dusts, powders or loose fibres (this exclusion does not apply to the waste codes: 10 13 12*, 10 13 13, 19 02 03 and 19 02 04*)
- Wastes that are in a form which is either sludge or liquid

Waste code	Description
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 01	paper and cardboard
20 01 02	glass
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
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
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 02 02	soil and stones
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 07	bulky waste

Table S2.3 Permitted waste types and quantities for activity A3 blending and mixing process**Maximum quantity**

The total quantity of waste accepted at the site for activity A3 shall be less than 16,000 tonnes per annum

Waste code	Description
10	Wastes from thermal processes
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 12*	solid wastes from gas treatment containing hazardous substances (wastes from cement kiln production process only)
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
19	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
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 03	cement kiln dust and by-pass dust from cement kilns conditioned with water only
19 02 04*	cement kiln dust and by-pass dust from cement kilns conditioned with water only
19 02 04*	premixed wastes composed of at least one hazardous waste (meat and bone meal ash only)

Table S2.4 Permitted waste types and quantities for activity A4 biological treatment in closed systems (in-vessel composting) of organic fines**Maximum quantity**

The total quantity of waste accepted at the site for activity A4 shall be less than 20,000 tonnes per annum

Exclusions

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

Hazardous wastes

Wastes containing treated wood

Wastes containing wood-preserving agents or other biocides

Wastes containing persistent organic pollutants

Wastes containing Japanese Knotweed

Waste Code	Description
19	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
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 in accordance with the operating techniques as referenced in table S1.2

Table S2.5 Permitted waste types and quantities for activity A5 open windrow composting

Maximum quantity The total quantity of waste accepted at the site for activity A5 shall be less than 20,000 tonnes per annum	
Exclusions Wastes having any of the following characteristics shall not be accepted: Wastes consisting solely or mainly of dusts, powders or loose fibres Wastes that are in the form of a liquid Hazardous wastes Wastes containing PAHs not in accordance with Table S1.2. Operating techniques (Environmental Management System)	
Waste Code	Description
19	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
19 12	wastes from the mechanical treatment of waste (for example, sorting, crushing, compacting, pelletising) not otherwise specified
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 (consisting of the organic fraction of road sweepings coded 20 03 03)

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 on waste.

“Annex II” means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on 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⁻³ 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 (as amended)*.

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

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended from time to time.

“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.

"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.

"sealed drainage system" in relation to an impermeable surface, means a drainage system with impermeable components which does not leak and which will ensure that:

- (a) no liquid will run off the surface otherwise than via the system;
- (b) except where they may lawfully be discharged to foul sewer, all liquids entering the system are collected in a sealed sump.

"Waste code" means the six digit code referable to a type of waste in accordance with the List of Wastes 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.