

## **Standard rules SR2010No4**

### **Mobile plant for landspreading**

**(land treatment resulting in benefit to agriculture or ecological improvement)**

### **Introductory note**

This introductory note does not form part of these standard rules.

When referred to in an environmental permit, these standard rules will allow the operator to operate mobile plant. The mobile plant shall be for land treatment activities on notified agricultural or non-agricultural land in England and Wales resulting in benefit to agriculture or ecological improvement.

The operator is permitted to use the following technology and associated plant necessary for treatment and associated storage:

- plant for the storage and mixing (not for treatment) of permitted wastes listed in tables 2.2A List A wastes and 2.2B List B wastes; and
- plant for the spreading of wastes in order to carry out treatment of land.

The activities shall not be carried out within:

- 10 metres of any watercourse;
- 50 metres of any spring or well, or any borehole used to supply water for domestic or food production purposes; and
- Groundwater Source Protection Zone 1.

Any wastes controlled by the Animal By-Products Regulations<sup>1</sup> must be treated and handled in accordance with any requirements imposed by those Regulations.

The operator shall submit a deployment form to the Environment Agency, prior to the activity commencing.

#### **End of Introductory Note**

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<sup>1</sup> The Animal By-Products Regulations 2005 (SI No. 2347) and the Animal By-Products (Wales) Regulations 2006 (SI No. 1293, W.127)

# Rules

## 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 rule 1.1.1 shall be maintained.
- 1.1.3 Any persons having duties that are or may be affected by the matters set out in these standard rules shall have convenient access to a copy of them 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.

## 2 – Operations

### 2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in table 2.1 below ("the activities").

<b>Table 2.1 Activities</b>	
<b>Description of activities</b>	<b>Limits of activities</b>
<p><b>R13:</b> Storage of wastes pending the operation numbered R10.</p> <p><b>R10:</b> Land treatment resulting in benefit to agriculture or ecological improvement</p>	<p>Secure storage of waste listed in tables 2.2A List A wastes and 2.2B List B wastes, at the place where it is to be used for land treatment.</p> <p>No more than 3000 tonnes of waste shall be stored at any one time.</p> <p>Waste shall be stored for no longer than 12 months.</p> <p>The use of mobile plant to treat land with the types of waste listed in tables 2.2A List A wastes and 2.2B List B wastes, where such treatment results in benefit to agriculture or ecological improvement.</p> <p>The quantity of waste applied per hectare shall not exceed that in the agreed deployment form and in any case no more than the following quantities of waste shall be spread on the land in any period of 12 months:</p> <ul style="list-style-type: none"> <li>• In the case of soil from washing and cleaning sugar beet (02 04 01) 1,500 tonnes per hectare,</li> <li>• In the case of dredging spoil from inland waters, (17 05 06) 5000 tonnes per hectare, or</li> <li>• In the case of any other waste, no more than 250 tonnes per hectare.</li> </ul>

- 2.1.2 At least 25 working days in advance of starting each land treatment activity the Environment Agency shall be notified using the deployment form LPD1. For each deployment:
- (a) no more than 10 waste streams, and
  - (b) no more than 50 hectares
- shall be notified.
- 2.1.3 Each notification shall contain an assessment that shows that benefit will be conferred by spreading of the waste. The assessment shall be made by a person with appropriate technical expertise and contain evidence demonstrating the reasons for their opinion.
- 2.1.4 The activities shall not begin at any site until the Environment Agency has agreed a deployment form in writing for that particular site.
- 2.1.5 The activities shall only be carried out in accordance with the requirements of the agreed deployment form unless otherwise agreed in writing by the Environment Agency.
- 2.1.6 Records demonstrating compliance with rules 2.1.3, 2.1.4 and 2.1.5 shall be maintained.
- 2.1.7 The activities shall not be carried out within:
- (a) 10 metres of any watercourse;
  - (b) 50 metres of any spring or well, or any borehole used to supply water for domestic or food production purposes; and
  - (c) Groundwater Source Protection Zone 1.

## 2.2 Waste acceptance

2.2.1 Waste shall only be accepted if:

- (a) it is of a type listed in tables 2.2A and/ or 2.2B of these standard rules;
- (b) it conforms to the description in the documentation supplied by the producer and holder; and
- (c) it conforms to the agreed deployment form.

2.2.2 Records demonstrating compliance with rule 2.2.1 shall be maintained.

<b>Table 2.2A. Waste Types – List A wastes</b>	
<b>Waste Code</b>	<b>Description</b>
<b>01</b>	<b>WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING AND PHYSICAL CHEMICAL TREATMENT OF MINERALS</b>
<b>01 01</b>	<b>wastes from mineral excavation</b>
01 01 02	chalk only
<b>01 04</b>	<b>wastes from physical and chemical processing of non-metalliferous minerals</b>
01 04 08	chalk only
<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	soils from washing and cleaning fruit and vegetables only
02 01 03	plant-tissue waste
02 01 06	farmyard manure and slurry, horse manure and soiled bedding made from plant tissue only
02 01 99	milk from agricultural premises only
<b>02 02</b>	<b>wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 02	shellfish shells from which the soft tissue or flesh has been removed 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	soils from cleaning and washing fruit and vegetables only
<b>02 04</b>	<b>wastes from sugar processing</b>
02 04 01	soil from cleaning and washing beet
<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	untreated sawdust and wood shavings other than those mentioned in 03 01 04 only
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 01	waste bark and wood, pulp from virgin timber
<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 only
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>
<b>17 05</b>	<b>soils (excluding excavated soils from contaminated sites), stones and dredgings</b>
17 05 04	soils and stones including chalk other than those mentioned in 170503
<b>19</b>	<b>WASTE 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 the aerobic treatment of waste</b>
19 05 03	compost derived from biodegradable waste listed in this table only

<b>Table 2.2A. Waste Types – List A wastes</b>	
<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 02</b>	<b>garden and park wastes (including cemetery waste)</b>
20 02 01	seaweed only
20 02 02	soils and stones

<b>Table 2.2B. Waste Types – List B wastes</b>	
<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 produced during food preparation and processing only
02 01 99	slurry and manure and soiled bedding from any premises except abattoirs, soiled biodegradable bedding not made from plant tissue, soiled bedding desiccants only
02 01 99	spent mushroom compost
<b>02 02</b>	<b>wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 01	untreated wash waters and sludges from washing and cleaning from abattoirs, poultry preparation plants, rendering plants or fish preparation plants only
02 02 02	blood and gut contents from abattoirs, poultry preparation plants, rendering plant or fish preparation plants only
02 02 04	sludges from on-site effluent treatment plant from abattoirs, poultry preparation plants, rendering plants or fish preparation plants only
02 02 99	slurry and manure and soiled bedding from abattoirs including soiled biodegradable bedding not made from plant tissue and soiled bedding desiccants only
02 02 99	wash waters and sludges from secondary food processing or the cook chill sector
<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 02	wastes from preserving agents
02 03 03	wastes from solvent extraction
02 03 04	biodegradable materials unsuitable for consumption or processing only
02 03 05	sludges from on site effluent treatment
02 03 99	wastes not otherwise specified from the processing of such materials including those from secondary food processing or the cook-chill sector
<b>02 04</b>	<b>wastes from sugar processing</b>
02 04 02	off-specification calcium carbonate
02 04 03	sludges from on-site effluent treatment
02 04 99	wastes not otherwise specified derived from the processing of sugar
<b>02 05</b>	<b>wastes from the dairy products industry</b>
02 05 01	biodegradable materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
02 05 99	wastes not otherwise specified derived from the processing of dairy products

<b>Table 2.2B. Waste Types – List B wastes</b>	
<b>Waste Code</b>	<b>Description</b>
<b>02 06</b>	<b>wastes from the baking and confectionery industry</b>
02 06 01	biodegradable materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
02 06 03	sludges from on-site effluent treatment
02 06 99	wastes not otherwise specified from the processing of materials used in baking and confectionery
<b>02 07</b>	<b>wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b>
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 03	wastes from chemical treatment
02 07 04	materials unsuitable for consumption or processing
02 07 05	sludges from on-site effluent treatment
02 07 99	biodegradable wastes not otherwise specified from the processing of the raw materials used in the production of such beverages 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 05	sawdust, shavings, cuttings, wood, particle board and biodegradable veneer other than those in 03 01 04
<b>03 03</b>	<b>wastes from pulp, paper and cardboard production and processing</b>
03 03 05	de-inked paper sludge and de-inked paper pulp from paper recycling only
03 03 09	lime mud waste
03 03 10	fibre rejects and sludges including mineral based fillers and coatings only
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
03 03 99	liquid waste from the manufacture of teabags only
<b>04</b>	<b>WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES</b>
<b>04 01</b>	<b>wastes from the leather and fur industry</b>
04 01 07	sludges from on-site effluent treatment free of chromium
<b>04 02</b>	<b>wastes from the textile industry</b>
04 02 15	biodegradable wastes from finishing other than those containing organic solvents only
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
04 02 21	wastes from unprocessed biodegradable textile fibres only
04 02 22	wastes from processed biodegradable textile fibres only
<b>05</b>	<b>WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL</b>
<b>05 01</b>	<b>wastes from petroleum refining</b>
05 01 10	activated sludges from on-site oil refinery biological effluent treatment plants other than those mentioned in 05 01 09
<b>07</b>	<b>WASTES FROM ORGANIC CHEMICAL PROCESSES</b>
<b>07 07</b>	<b>wastes from the manufacture, formulation, supply and use of fine chemicals and chemical products not otherwise specified</b>
07 07 12	sludges from on-site biological effluent treatment plant at chemical manufacturing sites other than those mentioned in 07 01 11 only
<b>10</b>	<b>WASTE FROM THERMAL PROCESSES</b>
<b>10 01</b>	<b>waste from power stations and other combustion plants</b>
10 01 01	poultry litter ash, paper sludge ash and ash from wood chip boilers only
10 01 05	gypsum (solid) only
10 01 07	gypsum (sludge) only

<b>Table 2.2B. Waste Types – List B wastes</b>	
<b>Waste Code</b>	<b>Description</b>
<b>10 13</b>	<b>wastes from manufacture of cement, lime and plaster and articles and products made from them</b>
10 13 04	wastes from calcinations and hydration of lime
10 13 12*	cement kiln dusts and by-pass dust only
10 13 13	cement kiln dusts and by-pass dust other than those mentioned in 10 13 12 only
10 13 99	gypsum only
<b>16</b>	<b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>
<b>16 03</b>	<b>off-specification batches and unused products</b>
16 03 06	out of date and out of specification beverages only
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>
<b>17 05</b>	<b>soils (excluding excavated soils from contaminated sites), stones and dredgings</b>
17 05 06	dredging spoil other than those mentioned in 17 05 05
<b>17 08</b>	<b>gypsum-based construction material</b>
17 08 02	gypsum only
<b>19</b>	<b>WASTE 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 02</b>	<b>wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)</b>
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
<b>19 05</b>	<b>wastes from the aerobic treatment of waste</b>
19 05 03	compost from source segregated biodegradable waste only
19 05 99	liquor and digestate from aerobic treatment of source segregated biodegradable waste only
<b>19 06</b>	<b>wastes from anaerobic treatment of waste</b>
19 06 05	liquor from anaerobic treatment of source segregated biodegradable waste
19 06 06	whole digestate and fibre digestate from anaerobic treatment of source segregated biodegradable waste
<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>20</b>	<b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>
20 02	garden and park wastes (including cemetery waste)
20 02 01	plant tissue waste only

## 3 – Emissions and monitoring

### 3.1 Emissions to air, water or land

- 3.1.1 There shall be no point source emissions to land, except from the sources listed in the agreed deployment form.
- 3.1.2 The limits given in the agreed deployment form 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 rule if appropriate measures, including, but not limited to, those specified in Table 3.2 below and in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

<b>Table 3.2 Appropriate measures for substances not controlled by emission limits</b>	
<b>Measures</b>	
1.	All liquid waste shall be stored within a secure container (including lagoons).
2.	No liquid waste is stored within 0.3 metres of the top of an open storage container or within 0.75 metres of the top of a lagoon.

- 3.2.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan;
- (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

## 3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable, to minimise, the odour.

- 3.3.2 The operator shall:

- (a) maintain and implement an odour management plan;
- (b) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the specified period, a revised odour management plan;
- (c) implement any approved revised odour management plan from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## 3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan, to prevent or where that is not practicable, to minimise, the noise and vibration.

- 3.4.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan; and
  - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **4 – Information**

### **4.1 Records**

- 4.1.1 All records required to be made by these standard rules 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 by the Environment Agency, for at least 6 years from the date when the records were made.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by these standard rules, 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 these standard rules 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.

### **4.3 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 these standard rules; or
  - (c) any significant adverse environmental effects.
- 4.3.2 Written confirmation of actual or potential pollution incidents and breaches of emission limits shall be submitted within 24 hours.
- 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:
- a) Where the operator is a registered company:
    - any change in the operator's trading name, registered name or registered office address; and
    - any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
  - b) Where the operator is a corporate body other than a registered company:
    - any change in the operator's name or address; and
    - any steps taken with a view to the dissolution of the operator.
  - c) In any other case:
    - the death of any of the named operators (where the operator consists of more than one named individual);
    - any change in the operator's name(s) or address(es); and
    - 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 them being in a partnership, dissolving the partnership.

## 4.4 Interpretation

4.4.1 In these standard rules the expressions listed below shall have the meaning given.

4.4.2 In these standard rules references to reports and notifications mean written reports and notifications, except when reference is being made to notification being made "without delay", in which case it may be provided by telephone.

*"accident"* means an accident that may result in pollution.

*"agricultural land"* has the meaning given by section 109 of the Agriculture Act 1947 and includes land for the production of timber and non-food agricultural crops

*"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.

*"deployment form"* means the Environment Agency form (LPD1) that requires site specific information and control measures to be provided and agreed prior to the use of any mobile plant under these Standard Rules.

*"domestic purposes"* has the same meaning as in section 218 of the Water Industry Act 1991.

*"emissions to land"*, include emissions to groundwater.

*"emissions of substances not controlled by emission limits"* means emissions of substances to air, water or land from the activities, either from emission points specified in these standard rules or from other localised or diffuse sources, which are not controlled by an emission limit.

*"food production purposes"* means the manufacturing, processing, preserving or marketing purposes with respect to food or drink for which water supplied to food production premises may be used, and for the purposes of this definition "food production purposes" means premises used for the purposes of a business of preparing food or drink for consumption otherwise than on the premises.

*"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.

*"groundwater Source Protection Zone"* has the meaning given in the document titled "Groundwater Protection: Policy and Practice" published by the Environment Agency in 2006.

*"inland water"* has the meaning given by section 221(1) of the Water Industry Act 1991.

*"pollution"* means emissions as a result of human activity which may—

- (a) be harmful to human health or the quality of the environment,
- (b) cause offence to a human sense,
- (c) result in damage to material property, or
- (d) impair or interfere with amenities and other legitimate uses of the environment.

*"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 IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on waste.

"*secure storage*" means storage where waste cannot escape and members of the public do not have access to it.

"*site*" means the place where mobile plant is deployed as detailed in the agreed deployment form(s).

"*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 stream*" means a single waste, generated from a single site. Single waste streams that have been mixed together shall be individually described and each shall be listed in the tables as separate waste streams.

"*year*" means calendar year commencing on 1<sup>st</sup> January.

**End of standard rules**