

This document is meant purely as a documentation tool and the institutions do not assume any liability for its contents

► **B** REGULATION (EC) No 2150/2002 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 25 November 2002

on waste statistics

(Text with EEA relevance)

(OJ L 332, 9.12.2002, p. 1)

Amended by:

		Official Journal		
		No	page	date
► <b><u>M1</u></b>	Commission Regulation (EC) No 574/2004 of 23 February 2004	L 90	15	27.3.2004
► <b><u>M2</u></b>	Commission Regulation (EC) No 783/2005 of 24 May 2005	L 131	38	25.5.2005
► <b><u>M3</u></b>	Regulation (EC) No 1893/2006 of the European Parliament and of the Council of 20 December 2006	L 393	1	30.12.2006
► <b><u>M4</u></b>	Regulation (EC) No 221/2009 of the European Parliament and of the Council of 11 March 2009	L 87	157	31.3.2009
► <b><u>M5</u></b>	Commission Regulation (EU) No 849/2010 of 27 September 2010	L 253	2	28.9.2010



**REGULATION (EC) No 2150/2002 OF THE EUROPEAN  
PARLIAMENT AND OF THE COUNCIL**

**of 25 November 2002**

**on waste statistics**

**(Text with EEA relevance)**

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE  
EUROPEAN UNION,

Having regard to the Treaty establishing the European Community, and  
in particular Article 285 thereof,

Having regard to the proposals from the Commission <sup>(1)</sup>,

Having regard to the opinion of the Economic and Social Committee <sup>(2)</sup>,

Acting in accordance with the procedure laid down in Article 251 of the  
Treaty <sup>(3)</sup>,

Whereas:

- (1) Regular Community statistics on the production and management of waste from businesses and private households are required by the Community for monitoring the implementation of waste policy. This creates the basis for monitoring compliance with the principles of maximisation of recovery and safe disposal. Statistical instruments are still required, however, for assessing compliance with the principle of waste prevention and to establish a link between waste generation data and global, national and regional inventories of resource use.
- (2) The terms for the description of waste and waste management need to be defined in order to ensure the comparability of results in waste statistics.
- (3) Community waste policy has led to the establishment of a set of principles to be followed by waste-producing units and waste management. This requires the monitoring of waste at different points of the waste-stream generation, collection, recovery and disposal.
- (4) Council Regulation (EC) No 322/97 of 17 February 1997 on Community statistics <sup>(4)</sup>.

<sup>(1)</sup> OJ C 87, 29.3.1999, p. 22, OJ C 180 E, 26.6.2001, p. 202 and amended proposal of 10 December 2001 (not yet published in the Official Journal).

<sup>(2)</sup> OJ C 329, 17.11.1999, p. 17.

<sup>(3)</sup> Opinion of the European Parliament of 4 September 2001 (OJ C 72 E, 21.3.2002, p. 32), Council Common Position of 15 April 2002 (OJ C 145 E, 18.6.2002, p. 85) and Decision of the European Parliament of 4 July 2002 (not yet published in the Official Journal), Decision of the Council of 14 November 2002.

<sup>(4)</sup> OJ L 52, 22.2.1997, p. 1 constitutes the reference framework for the provisions of this Regulation.

**▼B**

- (5) To guarantee comparable results, waste statistics should be produced in accordance with the specified breakdown, in an appropriate form and within a fixed period of time from the end of the reference year.
- (6) Since the objective of the proposed measure, namely to establish a framework for the production of Community statistics on the generation, recovery and disposal of waste, cannot be sufficiently achieved by the Member States, by reason of the need to define terms of description of waste and waste management so as to ensure the comparability of the statistics supplied by the Member States, and can therefore be better achieved at Community level, the Community may adopt measures in accordance with the principle of subsidiarity as set out in Article 5 of the Treaty. In accordance with the principle of proportionality, as set out in that Article, this Regulation does not go beyond what is necessary in order to achieve the objective of the proposed measure.
- (7) Member States may need a transitional period for the establishment of their statistics on waste for all or some of the economic activities A, B and G to Q of ►**M3** NACE Rev. 2 ◀ as established by Council Regulation (EEC) No 3037/90 of 9 October 1990 on the statistical classification of economic activities in the European Community<sup>(1)</sup> for which their national statistical system requires major adaptations.
- (8) The measures necessary for the implementation of this Regulation should be adopted in accordance with Council Decision 1999/468/EC of 28 June 1999 laying down the procedures for the exercise of implementing powers conferred on the Commission<sup>(2)</sup>.
- (9) The Statistical Programme Committee has been consulted by the Commission,

HAVE ADOPTED THIS REGULATION:

*Article 1*

**Objective**

1. The objective of this Regulation is to establish a framework for the production of Community statistics on the generation, recovery and disposal of waste.
2. Member States and the Commission, within their respective fields of competence, shall produce Community statistics on the generation, recovery and disposal of waste, excluding radioactive waste, which is already covered by other legislation.
3. The statistics shall cover the following areas:
- (a) Generation of waste according to Annex I;

<sup>(1)</sup> OJ L 293, 24.10.1990, p. 1. Regulation as last amended by Commission Regulation (EC) No 29/2002 (OJ L 6, 10.1.2002, p. 3).

<sup>(2)</sup> OJ L 184, 17.7.1999, p. 23.

**▼B**

- (b) Recovery and disposal of waste according to Annex II;
  - (c) After the pilot studies according to Article 5: import and export of waste for which no data is collected under Council Regulation (EEC) No 259/93 of 1 February 1993 on the supervision and control of shipments of waste within, into and out of the European Community <sup>(1)</sup>, in accordance with Annex III.
4. In compiling the statistics, Member States and the Commission shall observe the mainly substance-oriented statistical nomenclature, as set out in Annex III.

**▼M4**

5. The Commission shall establish a table of equivalence between the statistical nomenclature of Annex III to this Regulation and the list of waste established by Decision 2000/532/EC <sup>(2)</sup>. This measure, designed to amend non-essential elements of this Regulation, by supplementing it, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 7(3) of this Regulation.

**▼B***Article 2***Definitions**

For the purposes and within the framework of this Regulation:

- (a) ‘waste’ shall mean any substance or object as defined in Article 1(a) of Council Directive 75/442/EEC of 15 July 1975 on waste <sup>(3)</sup>;
- (b) ‘separately collected fractions of waste’ shall mean household and similar waste, selectively collected in homogeneous fractions by public services, non-profit organisations and private enterprises acting in the field of organised waste collection;
- (c) ‘recycling’ shall have the same meaning as in the definition given in Article 3(7) of European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste <sup>(4)</sup>;
- (d) ‘recovery’ shall mean any of the operations provided for in Annex II.B to Directive 75/442/EEC;
- (e) ‘disposal’ shall mean any of the operations provided for in Annex II.A to Directive 75/442/EEC;
- (f) ‘recovery or disposal facility’ shall mean a facility that requires a permit or registration pursuant to Articles 9, 10 or 11 of Directive 75/442/EC;

<sup>(1)</sup> OJ L 30, 6.2.1993, p. 1. Regulation as last amended by Commission Regulation (EC) No 2557/2001 (OJ L 349, 31.12.2001, p. 1).

<sup>(2)</sup> OJ L 226, 6.9.2000, p. 3.

<sup>(3)</sup> OJ L 194, 25.7.1975, p. 39. Directive as last amended by Commission Decision 96/350/EC (OJ L 135, 6.6.1996, p. 32).

<sup>(4)</sup> OJ L 365, 31.12.1994, p. 10.

**▼B**

- (g) ‘hazardous waste’ shall mean any waste as defined in Article 1(4) of Council Directive 91/689/EEC of 12 December 1991 on hazardous waste <sup>(1)</sup>;
- (h) ‘non-hazardous waste’ shall mean waste which is not covered by point (g);
- (i) ‘incineration’ shall mean thermal treatment of waste in an incineration plant as defined in Article 3(4) or a co-incineration plant as defined in Article 3(5) of Directive 2000/76/EC of the European Parliament and of the Council of 4 December 2000 on the incineration of waste <sup>(2)</sup>;
- (j) ‘landfill’ shall mean a waste disposal site as defined in Article 2(g) of Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste <sup>(3)</sup>;
- (k) ‘capacity of waste incineration facilities’ shall mean the maximum capacity to incinerate waste, in tonnes per annum or in gigajoules;
- (l) ‘capacity of waste recycling facilities’ shall mean the maximum capacity to recycle waste, in tonnes per annum;
- (m) ‘capacity of landfills’ shall mean the remaining capacity (at the end of the data reference year) of the landfill facility to dispose of waste in the future, measured in cubic metres;
- (n) ‘capacity of other disposal facilities’ shall mean the capacity of the facility to dispose of waste, measured in tonnes per annum.

*Article 3***Collection of data****▼M4**

1. Member States shall, whilst complying with conditions as to quality and accuracy to be defined in accordance with the second subparagraph, acquire the data necessary for the specification of the characteristics listed in Annexes I and II by means of:

- surveys,
- administrative or other sources, such as the reporting obligations under Community legislation on waste management,
- statistical estimation procedures on the basis of samples or waste-related estimators, or
- a combination of these means.

<sup>(1)</sup> OJ L 377, 31.12.1991, p. 20. Directive as amended by Directive 94/31/EC (OJ L 168, 2.7.1994, p. 28).

<sup>(2)</sup> OJ L 332, 28.12.2000, p. 91.

<sup>(3)</sup> OJ L 182, 16.7.1999, p. 1.

**▼M4**

The quality and accuracy conditions shall be defined by the Commission. Those measures, designed to amend non-essential elements of this Regulation, by supplementing it, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 7(3).

In order to reduce response burdens, the national authorities and the Commission shall, subject to the limits and the conditions fixed by each Member State and by the Commission in their respective fields of competence, have access to administrative data sources.

**▼B**

2. In order to reduce the administrative burden on small enterprises, enterprises of less than 10 employees shall be excluded from surveys, unless they contribute significantly to the generation of waste.

3. Member States shall produce statistical results, following the breakdown set out in Annexes I and II.

4. The exclusion referred to in paragraph 2 must be consistent with the coverage and quality objectives as referred to in Section 7(1) of Annexes I and II.

5. Member States shall transmit the results, including confidential data, to Eurostat in an appropriate format and within a set period of time from the end of the respective reference periods, as laid down in Annexes I and II.

6. The treatment of confidential data and the transmission of such data as provided for in paragraph 5 shall be carried out in accordance with the existing Community provisions governing statistical confidentiality.

*Article 4***Transitional period**

1. During a transitional period the Commission may, at the request of a Member State and in accordance with the procedure referred to in Article 7(2), grant derogations from the provisions of Section 5 of Annexes I and II. This transitional period may not exceed:

- (a) two years after the entry into force of this Regulation, for the production of results relating to Section 8(1)(1), Item 16 (Services activities) of Annex I and to Section 8(2) of Annex II;
- (b) three years after the entry into force of this Regulation, for the production of results relating to Section 8(1)(1), Items 1 (Agriculture, hunting and forestry) and 2 (Fisheries) of Annex I.

2. The derogations referred to in paragraph 1 can be granted to individual Member States only for the data of the first reference year.

**▼B**

3. The Commission shall draw up a programme for pilot studies on waste from the economic activities referred to in paragraph 1(b) to be carried out by the Member States. The pilot studies shall aim to develop a methodology to obtain regular data which shall be governed by the principles of Community statistics, as laid down in Article 10 of Regulation (EC) No 322/97.

**▼M4**

The Commission shall finance up to 100 % of the costs for conducting the pilot studies. On the basis of the conclusions of the pilot studies, the Commission shall adopt the necessary implementing measures. Those measures, designed to amend non-essential elements of this Regulation, by supplementing it, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 7(3) of this Regulation.

**▼B***Article 5***Import and export of waste**

1. The Commission shall draw up a programme for pilot studies on the import and export of waste to be carried out by Member States. The pilot studies shall aim at developing a methodology to obtain regular data which shall be governed by the principles of Community statistics, as laid down in Article 10 of Regulation (EC) No 322/97.

2. The Commission programme for pilot studies shall be consistent with the contents of Annexes I and II, particularly the aspects related to the scope and coverage of wastes, waste categories for the classification of waste, reference years and periodicity, taking into account the reporting obligations under Regulation (EEC) No 259/93.

3. The Commission shall finance up to 100 % of the costs for conducting the pilot studies.

**▼M4**

4. On the basis of the conclusions of the pilot studies, the Commission shall inform the European Parliament and the Council of the possibilities of compiling statistics for the activities and characteristics covered by the pilot studies for import and export of waste. The Commission shall adopt the necessary implementing measures. Those measures, designed to amend non-essential elements of this Regulation, by supplementing it, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 7(3).

**▼B**

5. The pilot studies shall be conducted at the latest within three years after the entry into force of this Regulation.

**▼M4***Article 6***Implementing measures**

1. The measures necessary for the implementation of this Regulation shall be adopted in accordance with the regulatory procedure referred to in Article 7(2).

**▼M4**

In particular, these shall include measures:

- (a) for the production of results in accordance with Article 3(2), (3) and (4), taking into account the economic structures and technical conditions in a Member State. Such measures may allow an individual Member State not to report certain items in the breakdown, provided the impact on the quality of the statistics is proven to be limited. In all cases where exemptions are given, the total amount of waste for each item listed in Sections 2(1) and 8(1) of Annex I shall be compiled;
- (b) for setting out the appropriate format for the transmission of results by Member States within two years from the date of entry into force of this Regulation.

2. However, measures designed to amend non-essential elements of this Regulation, *inter alia* by supplementing it, relating in particular to the following purposes, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 7(3):

- (a) for adjustment to economic and technical developments in the collection and statistical processing of data, as well as the processing and the transmission of results;
- (b) for adaptation of the specifications listed in Annexes I, II and III;
- (c) for the definition of the proper quality evaluation criteria and the contents of the quality reports as referred to in Section 7 of Annexes I and II;
- (d) for implementation of the results of the pilot studies, as specified in Article 4(3) and Article 5(1).

#### *Article 7*

#### **Committee procedure**

1. The Commission shall be assisted by the Statistical Programme Committee established by Article 1 of Decision 89/382/EEC, Euratom <sup>(1)</sup>.

2. Where reference is made to this paragraph, Articles 5 and 7 of Decision 1999/468/EC shall apply, having regard to the provisions of Article 8 thereof.

The period laid down in Article 5(6) of Decision 1999/468/EC shall be set at three months.

3. Where reference is made to this paragraph, Article 5a(1) to (4) and Article 7 of Decision 1999/468/EC shall apply, having regard to the provisions of Article 8 thereof.

4. The Commission shall transmit to the Committee set up by Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on waste <sup>(2)</sup> the draft measures that it intends to submit to the Statistical Programme Committee.

<sup>(1)</sup> OJ L 181, 28.6.1989, p. 47.

<sup>(2)</sup> OJ L 114, 27.4.2006, p. 9.



**▼B***Article 8***Report**

1. The Commission shall, within five years after the date of entry into force of this Regulation and every three years thereafter, submit a report to the European Parliament and the Council on the statistics compiled pursuant to this Regulation and in particular on their quality and the burden on businesses.
2. The Commission shall, within two years after the date of entry into force of this Regulation, submit to the European Parliament and the Council a proposal abolishing overlapping reporting obligations.

**▼M4**

3. The Commission shall, within two years after the entry into force of this Regulation, submit to the European Parliament and the Council a report on the progress of the pilot studies referred to in Article 4(3) and Article 5(1). If necessary, it shall propose revisions of the pilot studies, to be decided upon in accordance with the regulatory procedure with scrutiny referred to in Article 7(3).

**▼B***Article 9***Entry into force**

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Communities*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

▼ **M5***ANNEX I***GENERATION OF WASTE**

## SECTION 1

**Coverage**

1. The statistics shall be compiled for all activities classified within the coverage of Sections A to U of NACE Rev. 2. These Sections cover all economic activities.

This Annex also covers:

- (a) waste generated by households;
- (b) waste arising from recovery and/or disposal operations.
2. Waste recycled on the site where it was generated shall not be covered by this Annex.

## SECTION 2

**Waste categories**

Statistics on the following waste categories are to be produced:

Aggregates list			
EWC-Stat/Version 4			
Item No		Description	Hazardous/Non-hazardous waste
1	01.1	Spent solvents	Hazardous
2	01.2	Acid, alkaline or saline wastes	Non-hazardous
3	01.2	Acid, alkaline or saline wastes	Hazardous
4	01.3	Used oils	Hazardous
5	01.4, 02, 03.1	Chemical wastes	Non-hazardous
6	01.4, 02, 03.1	Chemical wastes	Hazardous
7	03.2	Industrial effluent sludges	Non-hazardous
8	03.2	Industrial effluent sludges	Hazardous
9	03.3	Sludges and liquid wastes from waste treatment	Non-hazardous
10	03.3	Sludges and liquid wastes from waste treatment	Hazardous
11	05	Health care and biological wastes	Non-hazardous
12	05	Health care and biological wastes	Hazardous
13	06.1	Metallic wastes, ferrous	Non-hazardous

▼ **M5**

Aggregates list			
EWC-Stat/Version 4			
Item No		Description	Hazardous/Non-hazardous waste
14	06.2	Metallic wastes, non-ferrous	Non-hazardous
15	06.3	Metallic wastes, mixed ferrous and non-ferrous	Non-hazardous
16	07.1	Glass wastes	Non-hazardous
17	07.1	Glass wastes	Hazardous
18	07.2	Paper and cardboard wastes	Non-hazardous
19	07.3	Rubber wastes	Non-hazardous
20	07.4	Plastic wastes	Non-hazardous
21	07.5	Wood wastes	Non-hazardous
22	07.5	Wood wastes	Hazardous
23	07.6	Textile wastes	Non-hazardous
24	07.7	Waste containing PCB	Hazardous
25	08 (excl. 08.1, 08.41)	Discarded equipment (excluding discarded vehicles, batteries and accumulators wastes)	Non-hazardous
26	08 (excl. 08.1, 08.41)	Discarded equipment (excluding discarded vehicles, batteries and accumulators wastes)	Hazardous
27	08.1	Discarded vehicles	Non-hazardous
28	08.1	Discarded vehicles	Hazardous
29	08.41	Batteries and accumulators wastes	Non-hazardous
30	08.41	Batteries and accumulators wastes	Hazardous
31	09.1	Animal and mixed food waste	Non-hazardous
32	09.2	Vegetal wastes	Non-hazardous
33	09.3	Animal faeces, urine and manure	Non-hazardous
34	10.1	Household and similar wastes	Non-hazardous
35	10.2	Mixed and undifferentiated materials	Non-hazardous
36	10.2	Mixed and undifferentiated materials	Hazardous

▼ **M5**

Aggregates list			
EWC-Stat/Version 4			
Item No		Description	Hazardous/Non-hazardous waste
37	10.3	Sorting residues	Non-hazardous
38	10.3	Sorting residues	Hazardous
39	11	Common sludges	Non-hazardous
40	12.1	Mineral waste from construction and demolition	Non-hazardous
41	12.1	Mineral waste from construction and demolition	Hazardous
42	12.2, 12.3, 12.5	Other mineral wastes	Non-hazardous
43	12.2, 12.3, 12.5	Other mineral wastes	Hazardous
44	12.4	Combustion wastes	Non-hazardous
45	12.4	Combustion wastes	Hazardous
46	12.6	Soils	Non-hazardous
47	12.6	Soils	Hazardous
48	12.7	Dredging spoils	Non-hazardous
49	12.7	Dredging spoils	Hazardous
50	12.8, 13	Mineral wastes from waste treatment and stabilised wastes	Non-hazardous
51	12.8, 13	Mineral wastes from waste treatment and stabilised wastes	Hazardous

## SECTION 3

**Characteristics**

Statistics shall be compiled on the following characteristics and breakdowns:

1. The quantity of waste generated for each waste category listed in Section 2(1) and for each waste generating activity listed in Section 8(1).
2. The population served by a collection scheme for mixed household and similar waste.

## SECTION 4

**Reporting unit**

1. The reporting unit to be used for all waste categories is 1 tonne of (normal) wet waste except for the waste categories 'industrial effluent sludges,' 'common sludges', 'sludges and liquid waste from waste treatment' and 'dredging spoils' where the reporting unit is 1 tonne of dry matter.

▼ **M5**

2. The reporting unit for characteristic referred to in Section 3(2) is the percentage of the population served.

**SECTION 5****First reference year and periodicity**

1. The first reference year is the second calendar year following the entry into force of this Regulation.
2. The first reference year for waste statistics based on this revision is 2010.
3. Member States shall furnish data for every second year after the first reference year.

**SECTION 6****Transmission of results to Eurostat**

The results shall be transmitted within 18 months of the end of the reference year.

**SECTION 7****Report on the coverage and quality of statistics**

1. For each item listed in Section 8 (activities and households), Member States shall indicate the percentage to which the compiled statistics represent the universe of waste of the respective item. The minimum requirement for the coverage shall be defined by the Commission. These measures, designed to amend non-essential elements of this Regulation, by supplementing it, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 7(3).
2. Member States shall submit a quality report, indicating the degree of precision for the collected data. A description shall be given on the estimations, aggregations or exclusions, and the way these procedures affect the distribution of waste categories, listed in Section 2(1) by economic activities and households, as referred to in Section 8.
3. The Commission shall include the coverage and quality reports in the report provided for in Article 8 of this Regulation.

**SECTION 8****Production of results**

1. The results for the characteristics listed in Section 3(1) are to be compiled for:
  - 1.1. the following items, as described in terms of NACE Rev. 2:

Item No		Description
1	Section A	Agriculture, forestry and fishing
2	Section B	Mining and quarrying
3	Division 10	Manufacture of food products
	Division 11	Manufacture of beverages
	Division 12	Manufacture of tobacco products

▼ M5

Item No		Description
4	Division 13	Manufacture of textiles
	Division 14	Manufacture of wearing apparel
	Division 15	Manufacture of leather and related products
5	Division 16	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
6	Division 17	Manufacture of paper and paper products
	Division 18	Printing and reproduction of recorded media
7	Division 19	Manufacture of coke and refined petroleum products
8	Division 20	Manufacture of chemicals and chemical products
	Division 21	Manufacture of basic pharmaceutical products and pharmaceutical preparations
	Division 22	Manufacture of rubber and plastic products
9	Division 23	Manufacture of other non-metallic mineral products
10	Division 24	Manufacture of basic metals
	Division 25	Manufacture of fabricated metal products, except machinery and equipment
11	Division 26	Manufacture of computer, electronic and optical products
	Division 27	Manufacture of electrical equipment
	Division 28	Manufacture of machinery and equipment n.e.c.
	Division 29	Manufacture of motor vehicles, trailers and semi-trailers
	Division 30	Manufacture of other transport equipment
12	Division 31	Manufacture of furniture
	Division 32	Other manufacturing
	Division 33	Repair and installation of machinery and equipment
13	Section D	Electricity, gas, steam and air conditioning supply
14	Division 36	Water collection, treatment and supply
	Division 37	Sewerage
	Division 39	Remediation activities and other waste management services
15	Division 38	Waste collection, treatment and disposal activities; materials recovery
16	Section F	Construction

▼ **M5**

Item No		Description
17		Service activities:
	Section G, except class 46.77	Wholesale and retail trade; repair of motor vehicles and motorcycles
	Section H	Transportation and storage
	Section I	Accommodation and food service activities
	Section J	Information and communication
	Section K	Financial and insurance activities
	Section L	Real estate activities
	Section M	Professional, scientific and technical activities
	Section N	Administrative and support service activities
	Section O	Public administration and defence; compulsory social security
	Section P	Education
	Section Q	Human health and social work activities
	Section R	Arts, entertainment and recreation
	Section S	Other service activities
18	Section T	Activities of households as employers; undifferentiated goods- and services producing activities of households for own use
	Section U	Activities of extraterritorial organisations and bodies
18	Class 46.77	Wholesale of waste and scrap

## 1.2. households

Item No		Description
19		Waste generated by households

2. For economic activities, statistical units are local units or kind-of-activity units, as defined in Council Regulation (EEC) No 696/93 <sup>(1)</sup>, according to each Member State's statistical system.

In the quality report, to be produced under Section 7, a description of how the chosen statistical unit affects the groupings of NACE Rev. 2 data distribution should be included.

<sup>(1)</sup> OJ L 76, 30.3.1993, p. 2.

▼ **M5***ANNEX II***RECOVERY AND DISPOSAL OF WASTE**

## SECTION 1

**Coverage**

1. The statistics are to be compiled for all recovery and disposal facilities which run any of the operations referred to in Section 8(2) and which belong to or are part of the economic activities according to the groupings of NACE Rev. 2, mentioned in Annex I, Section 8(1.1).
2. Facilities whose waste treatment activities are limited to the recycling of waste on the site where the waste was generated, are not covered by this Annex.

## SECTION 2

**Waste categories**

The list of waste categories for which the statistics are to be compiled, according to the recovery or disposal operations as referred to in Section 8(2), are the categories mentioned in Annex I, Section 2(1).

## SECTION 3

**Characteristics**

Statistics shall be compiled on the following characteristics and breakdowns:

Item	Description	Regional level
1	The quantities of waste treated for each waste category listed in Section 2 and for each item of the recovery and disposal operations listed in Section 8(2), excluding recycling of waste on the site where the waste was generated.	National
2	The number and capacity of facilities for item 4 of Section 8(2), with a breakdown for: a) hazardous waste, b) non-hazardous waste and c) inert waste.	National
3	The number of facilities for item 4 of Section 8(2) closed (no more depositing) since the last reference year, with a breakdown for: a) hazardous waste, b) non-hazardous waste and c) inert waste.	National
4	The number of facilities for the recovery and disposal operations listed in Section 8(2), excluding item 5.	NUTS 2
5	The capacity of facilities for the recovery and disposal operations listed in Section 8(2), excluding items 3 and 5.	NUTS 2

## SECTION 4

**Reporting unit**

The reporting unit to be used for all waste categories is 1 tonne of (normal) wet waste except for the waste categories 'industrial effluent sludges', 'common sludges', 'sludges and liquid waste from waste treatment' and 'dredging spoils' where the reporting unit is 1 tonne of dry matter.



▼ **M5**

## SECTION 5

**First reference year and periodicity**

1. The first reference year is the second calendar year following the entry into force of this Regulation.
2. The first reference year for waste statistics based on this revision is 2010.
3. Member States shall furnish data for every second year, after the first reference year, for the facilities which are referred to in Section 8(2).

## SECTION 6

**Transmission of results to Eurostat**

The results shall be transmitted within 18 months of the end of the reference year.

## SECTION 7

**Report on the coverage and quality of statistics**

1. For the characteristics listed in Section 3, and for each item amongst the types of operations listed in Section 8(2), Member States shall indicate the percentage to which the compiled statistics represent the universe of waste of the respective item. The minimum requirement for the coverage shall be defined by the Commission. Those measures, designed to amend nonessential elements of this Regulation, by supplementing it, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 7(3).
2. For the characteristics listed in Section 3 Member States shall submit a quality report, indicating the degree of precision of the collected data.
3. The Commission shall include the coverage and quality reports in the report provided for in Article 8 of this Regulation.

## SECTION 8

**Waste recovery and disposal operations**

1. The results are to be compiled for each item amongst the types of operations listed in Section 8(2), according to the characteristics referred to in Section 3.
2. List of Recovery and Disposal Operations; the codes refer to the codes in Annexes I and II to Directive 2008/98/EC <sup>(1)</sup>:

Item No		Types of recovery and disposal operations
Incineration		
1	R1	Use principally as a fuel or other means to generate energy
2	D10	Incineration on land

<sup>(1)</sup> OJ L 312, 22.11.2008, p. 3.

▼ **M5**

Item No		Types of recovery and disposal operations
Recovery operations (excluding energy recovery)		
3a	R2 +	Solvent reclamation/regeneration
	R3 +	Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)
	R4 +	Recycling/reclamation of metals and metal compounds
	R5 +	Recycling/reclamation of other inorganic materials
	R6 +	Regeneration of acids or bases
	R7 +	Recovery of components used for pollution abatement
	R8 +	Recovery of components from catalysts
	R9 +	Oil refining or other reuses of oil
	R10 +	Land treatment resulting in benefit to agriculture or ecological improvement
	R11	Use of wastes obtained from any of the operations numbered R1 to R10
3b		Backfilling
Disposal operations		
4	D1 +	Deposit into or onto land (e.g. landfill etc.)
	D5 +	Special engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment etc.)
	D12	Permanent storage (e.g. emplacement of containers in a mine etc.)
5	D2 +	Land treatment (e.g. biodegradation of liquid or sludgy discards in soils etc.)
	D3 +	Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories etc.)
	D4 +	Surface impoundment (e.g. placement of liquid or sludge discards into pits, ponds or lagoons etc.)
	D6 +	Release into a water body except seas/oceans
	D7	Release into seas/oceans including sea-bed insertion

▼ **M5**

## ANNEX III

**TABLE OF EQUIVALENCE**

*as referred to in Article 1(5) of Regulation (EC) No 2150/2002, between EWC-Stat Rev 4 (substance oriented waste statistical nomenclature) and the European list of waste (LoW) established by Commission Decision 2000/532/EC<sup>(1)</sup>*

## 01 Chemical compound wastes

## 01.1 Spent solvents

## 01.11 Halogenated spent solvents

## 1 Hazardous

07 01 03*	organic halogenated solvents, washing liquids and mother liquors
07 02 03*	organic halogenated solvents, washing liquids and mother liquors
07 03 03*	organic halogenated solvents, washing liquids and mother liquors
07 04 03*	organic halogenated solvents, washing liquids and mother liquors
07 05 03*	organic halogenated solvents, washing liquids and mother liquors
07 06 03*	organic halogenated solvents, washing liquids and mother liquors
07 07 03*	organic halogenated solvents, washing liquids and mother liquors
14 06 01*	chlorofluorocarbons, HCFC, HFC
14 06 02*	other halogenated solvents and solvent mixtures
14 06 04*	sludges or solid wastes containing halogenated solvents

## 01.12 Non-halogenated spent solvents

## 1 Hazardous

07 01 04*	other organic solvents, washing liquids and mother liquors
07 02 04*	other organic solvents, washing liquids and mother liquors
07 03 04*	other organic solvents, washing liquids and mother liquors
07 04 04*	other organic solvents, washing liquids and mother liquors
07 05 04*	other organic solvents, washing liquids and mother liquors
07 06 04*	other organic solvents, washing liquids and mother liquors
07 07 04*	other organic solvents, washing liquids and mother liquors
14 06 03*	other solvents and solvent mixtures
14 06 05*	sludges or solid wastes containing other solvents
20 01 13*	solvents

<sup>(1)</sup> OJ L 226, 6.9.2000, p. 3.

**▼ M5**

## 01.2 Acid, alkaline or saline wastes

## 01.21 Acid wastes

## 1 Hazardous

- 06 01 01\* sulphuric acid and sulphurous acid
- 06 01 02\* hydrochloric acid
- 06 01 03\* hydrofluoric acid
- 06 01 04\* phosphoric and phosphorous acid
- 06 01 05\* nitric acid and nitrous acid
- 06 01 06\* other acids
- 06 07 04\* solutions and acids, e.g. contact acid
- 08 03 16\* waste etching solutions
- 09 01 04\* fixer solutions
- 09 01 05\* bleach solutions and bleach fixer solutions
- 10 01 09\* sulphuric acid
- 11 01 05\* pickling acids
- 11 01 06\* acids not otherwise specified
- 16 06 06\* separately collected electrolyte from batteries and accumulators
- 20 01 14\* acids

## 01.22 Alkaline wastes

## 0 Non-hazardous

- 03 03 09 lime mud waste
- 11 01 14 degreasing wastes other than those mentioned in 11 01 13

## 1 Hazardous

- 05 01 11\* wastes from cleaning of fuels with bases
- 06 02 01\* calcium hydroxide
- 06 02 03\* ammonium hydroxide
- 06 02 04\* sodium and potassium hydroxide
- 06 02 05\* other bases
- 09 01 01\* water-based developer and activator solutions
- 09 01 02\* water-based offset plate developer solutions
- 09 01 03\* solvent-based developer solutions
- 11 01 07\* pickling bases
- 11 01 13\* degreasing wastes containing dangerous substances
- 11 03 01\* wastes containing cyanide
- 19 11 04\* wastes from cleaning of fuel with bases
- 20 01 15\* alkalines

## 01.24 Other saline wastes

## 0 Non-hazardous

- 05 01 16 sulphur-containing wastes from petroleum desulphurisation

▼ M5

05 07 02	wastes containing sulphur
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
06 03 16	metallic oxides other than those mentioned in 06 03 15
06 06 03	wastes containing sulphides other than those mentioned in 06 06 02
11 02 06	wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
1 Hazardous	
06 03 11*	solid salts and solutions containing cyanides
06 03 13*	solid salts and solutions containing heavy metals
06 03 15*	metallic oxides containing heavy metals
06 04 03*	wastes containing arsenic
06 04 04*	wastes containing mercury
06 04 05*	wastes containing other heavy metals
06 06 02*	wastes containing dangerous sulphides
10 03 08*	salt slags from secondary production
10 04 03*	calcium arsenate
11 01 08*	phosphatising sludges
11 02 05*	wastes from copper hydrometallurgical processes containing dangerous substances
11 03 02*	other wastes
11 05 04*	spent flux
16 09 01*	permanganates, e.g. potassium permanganate
16 09 02*	chromates, e.g. potassium chromate, potassium or sodium dichromate

## 01.3 Used oils

## 01.31 Used motor oils

1 Hazardous	
13 02 04*	mineral-based chlorinated engine, gear and lubricating oils
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

▼ M5

## 01.32 Other used oils

## 1 Hazardous

- 05 01 02\* desalter sludges
- 05 01 03\* tank bottom sludges
- 05 01 04\* acid alkyl sludges
- 05 01 12\* oil containing acids
- 08 03 19\* disperse oil
- 08 04 17\* rosin oil
- 12 01 06\* mineral-based machining oils containing halogens (except emulsions and solutions)
- 12 01 07\* mineral-based machining oils free of halogens (except emulsions and solutions)
- 12 01 08\* machining emulsions and solutions containing halogens
- 12 01 09\* machining emulsions and solutions free of halogens
- 12 01 10\* synthetic machining oils
- 12 01 12\* spent waxes and fats
- 12 01 18\* metal sludge (grinding, honing and lapping sludge) containing oil
- 12 01 19\* readily biodegradable machining oil
- 13 01 04\* chlorinated emulsions
- 13 01 05\* non-chlorinated emulsions
- 13 01 09\* mineral-based chlorinated hydraulic oils
- 13 01 10\* mineral based non-chlorinated hydraulic oils
- 13 01 11\* synthetic hydraulic oils
- 13 01 12\* readily biodegradable hydraulic oils
- 13 01 13\* other hydraulic oils
- 13 03 06\* mineral-based chlorinated insulating and heat transmission oils other than those mentioned in 13 03 01
- 13 03 07\* mineral-based non-chlorinated insulating and heat transmission oils
- 13 03 08\* synthetic insulating and heat transmission oils
- 13 03 09\* readily biodegradable insulating and heat transmission oils
- 13 03 10\* other insulating and heat transmission oils
- 13 05 06\* oil from oil/water separators
- 20 01 26\* oil and fat other than those mentioned in 20 01 25

**▼M5**

## 01.4 Spent chemical catalysts

## 01.41 Spent chemical catalysts

## 0 Non-hazardous

16 08 01 spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)

16 08 03 spent catalysts containing transition metals or transition metal compounds not otherwise specified

16 08 04 spent fluid catalytic cracking catalysts (except 16 08 07)

## 1 Hazardous

16 08 02\* Spent catalysts containing dangerous transition metals or dangerous transition metal compounds

16 08 05\* spent catalysts containing phosphoric acid

16 08 06\* spent liquids used as catalysts

16 08 07\* spent catalysts contaminated with dangerous substances

## 02 Chemical preparation wastes

## 02.1 Off-specification chemical wastes

## 02.11 Agrochemical product wastes

## 0 Non-hazardous

02 01 09 agrochemical waste other than those mentioned in 02 01 08

## 1 Hazardous

02 01 08\* agrochemical waste containing dangerous substances

06 13 01\* inorganic plant protection products, wood-preserving agents and other biocides.

20 01 19\* pesticides

## 02.12 Unused medicines

## 0 Non-hazardous

07 05 14 solid wastes other than those mentioned in 07 05 13

18 01 09 medicines other than those mentioned in 18 01 08

18 02 08 medicines other than those mentioned in 18 02 07

20 01 32 medicines other than those mentioned in 20 01 31

## 1 Hazardous

07 05 13\* solid wastes containing dangerous substances

18 01 08\* cytotoxic and cytostatic medicines

18 02 07\* cytotoxic and cytostatic medicines

20 01 31\* cytotoxic and cytostatic medicines

▼ **M5**

## 02.13 Paints, varnish, inks and adhesive wastes

## 0 Non-hazardous

- 04 02 17 dyestuffs and pigments other than those mentioned in 04 02 16
- 08 01 12 waste paint and varnish other than those mentioned in 08 01 11
- 08 01 14 sludges from paint or varnish other than those mentioned in 08 01 13
- 08 01 16 aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
- 08 01 18 wastes from paint or varnish removal other than those mentioned in 08 01 17
- 08 01 20 aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
- 08 02 01 waste coating powders
- 08 03 07 aqueous sludges containing ink
- 08 03 08 aqueous liquid waste containing ink
- 08 03 13 waste ink other than those mentioned in 08 03 12
- 08 03 15 ink sludges other than those mentioned in 08 03 14
- 08 03 18 waste printing toner other than those mentioned in 08 03 17
- 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09
- 08 04 12 adhesive and sealant sludges other than those mentioned in 08 04 11
- 08 04 14 aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
- 08 04 16 aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
- 20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27

## 1 Hazardous

- 04 02 16\* dyestuffs and pigments containing dangerous substances
- 08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances
- 08 01 13\* sludges from paint or varnish containing organic solvents or other dangerous substances
- 08 01 15\* aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
- 08 01 17\* wastes from paint or varnish removal containing organic solvents or other dangerous substances
- 08 01 19\* aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
- 08 03 12\* waste ink containing dangerous substances



▼ M5

- 08 03 14\* ink sludges containing dangerous substances
- 08 03 17\* waste printing toner containing dangerous substances
- 08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous substances
- 08 04 11\* adhesive and sealant sludges containing organic solvents or other dangerous substances
- 08 04 13\* aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
- 08 04 15\* aqueous liquid waste containing adhesives or sealants containing organic solvents or other dangerous substances
- 20 01 27\* paint, inks, adhesives and resins containing dangerous substances

## 02.14 Other chemical preparation wastes

## 0 Non-hazardous

- 02 07 03 wastes from chemical treatment
- 03 02 99 wood preservatives not otherwise specified
- 04 01 09 wastes from dressing and finishing
- 04 02 15 wastes from finishing other than those mentioned in 04 02 14
- 07 02 15 wastes from additives other than those mentioned in 07 02 14
- 07 02 17 waste containing silicones other than those mentioned in 07 02 16
- 10 09 16 waste crack-indicating agent other than those mentioned in 10 09 15
- 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
- 16 01 15 antifreeze fluids other than those mentioned in 16 01 14
- 16 05 05 gases in pressure containers other than those mentioned in 16 05 04
- 18 01 07 chemicals other than those mentioned in 18 01 06
- 18 02 06 chemicals other than those mentioned in 18 02 05
- 20 01 30 detergents other than those mentioned in 20 01 29

## 1 Hazardous

- 03 02 01\* non-halogenated organic wood preservatives
- 03 02 02\* organochlorinated wood preservatives
- 03 02 03\* organometallic wood preservatives
- 03 02 04\* inorganic wood preservatives
- 03 02 05\* other wood preservatives containing dangerous substances

**▼ M5**

04 02 14*	wastes from finishing containing organic solvents
05 07 01*	wastes containing mercury
06 08 02*	wastes containing dangerous chlorosilanes
06 10 02*	wastes containing dangerous substances
07 02 14*	wastes from additives containing dangerous substances
07 02 16*	wastes containing dangerous silicones
07 04 13*	solid wastes containing dangerous substances
08 01 21*	waste paint or varnish remover
08 05 01*	waste isocyanates
10 09 13*	waste binders containing dangerous substances
10 09 15*	waste crack-indicating agent containing dangerous substances
10 10 13*	waste binders containing dangerous substances
10 10 15*	waste crack-indicating agent containing dangerous substances
11 01 16*	saturated or spent ion exchange resins
11 01 98*	other wastes containing dangerous substances
16 01 13*	brake fluids
16 01 14*	antifreeze fluids containing dangerous substances
16 05 04*	gases in pressure containers (including halons) containing dangerous substances
16 09 03*	peroxides, e.g. hydrogen peroxide
16 09 04*	oxidising substances, not otherwise specified
18 01 06*	chemicals consisting of or containing dangerous substances
18 02 05*	chemicals consisting of or containing dangerous substances
20 01 17*	photochemicals
20 01 29*	detergents containing dangerous substances

## 02.2 Unused explosives

## 02.21 Waste explosives and pyrotechnical products

## 1 Hazardous

16 04 02*	fireworks wastes
16 04 03*	other waste explosives

▼ M5

## 02.22 Waste ammunition

## 1 Hazardous

16 04 01\* waste ammunition

## 02.3 Mixed chemical wastes

## 02.31 Minor mixed chemical wastes

## 0 Non-hazardous

16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

## 1 Hazardous

16 05 06\* laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals

16 05 07\* discarded inorganic chemicals consisting of or containing dangerous substances

16 05 08\* discarded organic chemicals consisting of or containing dangerous substances

## 02.33 Packaging polluted by hazardous substances

## 1 Hazardous

15 01 10\* packaging containing residues of or contaminated by dangerous substances

## 03 Other chemical wastes

## 03.1 Chemical deposits and residues

## 03.11 Tars and carbonaceous wastes

## 0 Non-hazardous

05 01 17 bitumen

06 13 03 carbon black

10 01 25 wastes from fuel storage and preparation of coal-fired power plants

10 03 02 anode scraps

10 03 18 carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17

10 08 13 carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12

10 08 14 anode scrap

11 02 03 wastes from the production of anodes for aqueous electrolytical processes

20 01 41 wastes from chimney sweeping

## 1 Hazardous

05 01 07\* acid tars

05 01 08\* other tars

05 06 01\* acid tars

▼ M5

- 05 06 03\* other tars
- 06 13 05\* soot
- 10 03 17\* tar-containing wastes from anode manufacture
- 10 08 12\* tar-containing wastes from anode manufacture
- 19 11 02\* acid tars

## 03.12 Oils/water emulsions sludges

## 1 Hazardous

- 05 01 06\* oily sludges from maintenance operations of the plant or equipment
- 13 04 01\* bilge oils from inland navigation
- 13 04 02\* bilge oils from jetty sewers
- 13 04 03\* bilge oils from other navigation
- 13 05 01\* solids from grit chambers and oil/water separators
- 13 05 02\* sludges from oil/water separators
- 13 05 03\* interceptor sludges
- 13 05 07\* oily water from oil/water separators
- 13 05 08\* mixtures of wastes from grit chambers and oil/water separators
- 13 07 01\* fuel oil and diesel
- 13 07 02\* petrol
- 13 07 03\* other fuels (including mixtures)
- 13 08 01\* desalter sludges or emulsions
- 13 08 02\* other emulsions
- 13 08 99\* wastes not otherwise specified
- 16 07 09\* wastes containing other dangerous substances
- 19 02 07\* oil and concentrates from separation

## 03.13 Chemical reaction residues

## 0 Non-hazardous

- 03 03 02 green liquor sludge (from recovery of cooking liquor)
- 04 01 04 tanning liquor containing chromium
- 04 01 05 tanning liquor free of chromium
- 11 01 12 aqueous rinsing liquids other than those mentioned in 11 01 11

## 1 Hazardous

- 04 01 03\* degreasing wastes containing solvents without a liquid phase
- 06 07 03\* barium sulphate sludge containing mercury

▼ M5

07 01 01*	aqueous washing liquids and mother liquors
07 01 07*	halogenated still bottoms and reaction residues
07 01 08*	other still bottoms and reaction residues
07 02 01*	aqueous washing liquids and mother liquors
07 02 07*	halogenated still bottoms and reaction residues
07 02 08*	other still bottoms and reaction residues
07 03 01*	aqueous washing liquids and mother liquors
07 03 07*	halogenated still bottoms and reaction residues
07 03 08*	other still bottoms and reaction residues
07 04 01*	aqueous washing liquids and mother liquors
07 04 07*	halogenated still bottoms and reaction residues
07 04 08*	other still bottoms and reaction residues
07 05 01*	aqueous washing liquids and mother liquors
07 05 07*	halogenated still bottoms and reaction residues
07 05 08*	other still bottoms and reaction residues
07 06 01*	aqueous washing liquids and mother liquors
07 06 07*	halogenated still bottoms and reaction residues
07 06 08*	other still bottoms and reaction residues
07 07 01*	aqueous washing liquids and mother liquors
07 07 07*	halogenated still bottoms and reaction residues
07 07 08*	other still bottoms and reaction residues
09 01 13*	aqueous liquid waste from on-site reclamation of silver other than those mentioned in 09 01 06
11 01 11*	aqueous rinsing liquids containing dangerous substances

## 03.14 Spent filtration and absorbent materials

## 0 Non-hazardous

15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
19 09 03	sludges from decarbonation
19 09 04	spent activated carbon
19 09 05	saturated or spent ion exchange resins
19 09 06	solutions and sludges from regeneration of ion exchangers

▼ M5

## 1 Hazardous

- 05 01 15\* spent filter clays
- 06 07 02\* activated carbon from chlorine production
- 06 13 02\* spent activated carbon (except 06 07 02)
- 07 01 09\* halogenated filter cakes and spent absorbents
- 07 01 10\* other filter cakes and spent absorbents
- 07 02 09\* halogenated filter cakes and spent absorbents
- 07 02 10\* other filter cakes and spent absorbents
- 07 03 09\* halogenated filter cakes and spent absorbents
- 07 03 10\* other filter cakes and spent absorbents
- 07 04 09\* halogenated filter cakes and spent absorbents
- 07 04 10\* other filter cakes and spent absorbents
- 07 05 09\* halogenated filter cakes and spent absorbents
- 07 05 10\* other filter cakes and spent absorbents
- 07 06 09\* halogenated filter cakes and spent absorbents
- 07 06 10\* other filter cakes and spent absorbents
- 07 07 09\* halogenated filter cakes and spent absorbents
- 07 07 10\* other filter cakes and spent absorbents
- 11 01 15\* eluate and sludges from membrane systems or ion exchange systems containing dangerous substances
- 15 02 02\* absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
- 19 01 10\* spent activated carbon from flue-gas treatment
- 19 08 06\* saturated or spent ion exchange resins
- 19 08 07\* solutions and sludges from regeneration of ion exchangers
- 19 08 08\* membrane system waste containing heavy metals
- 19 11 01\* spent filter clays

## 03.2 Industrial effluent sludges

## 03.21 Sludges from industrial processes and effluent treatment

## 0 Non-hazardous

- 03 03 05 de-inking sludges from paper recycling
- 03 03 10 fibre rejects, fibre-, filler- and coating sludges from mechanical separation
- 04 01 06 sludges, in particular from on-site effluent treatment containing chromium
- 04 01 07 sludges, in particular from on-site effluent treatment free of chromium

▼ M5

04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 14	wastes from cooling columns
05 06 04	waste from cooling columns
06 05 03	sludges from on-site effluent treatment other than those mentioned in 06 05 02
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 26	wastes from cooling-water treatment
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
10 02 15	other sludges and filter cakes
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 11 20	solid wastes from on-site effluent treatment other than those mentioned in 10 11 19
10 12 13	sludge from on-site effluent treatment

▼ M5

11 01 10	sludges and filter cakes other than those mentioned in 11 01 09
12 01 15	machining sludges other than those mentioned in 12 01 14
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
16 10 04	aqueous concentrates other than those mentioned in 16 10 03
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 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
19 13 08	aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
1 Hazardous	
04 02 19*	sludges from on-site effluent treatment containing dangerous substances
05 01 09*	sludges from on-site effluent treatment containing dangerous substances
06 05 02*	sludges from on-site effluent treatment containing dangerous substances
07 01 11*	sludges from on-site effluent treatment containing dangerous substances
07 02 11*	sludges from on-site effluent treatment containing dangerous substances
07 03 11*	sludges from on-site effluent treatment containing dangerous substances
07 04 11*	sludges from on-site effluent treatment containing dangerous substances
07 05 11*	sludges from on-site effluent treatment containing dangerous substances
07 06 11*	sludges from on-site effluent treatment containing dangerous substances
07 07 11*	sludges from on-site effluent treatment containing dangerous substances
10 01 20*	sludges from on-site effluent treatment containing dangerous substances
10 01 22*	aqueous sludges from boiler cleansing containing dangerous substances
10 11 19*	solid wastes from on-site effluent treatment containing dangerous substances
11 01 09*	sludges and filter cakes containing dangerous substances



▼ M5

- 11 02 07\* other wastes containing dangerous substances
- 12 01 14\* machining sludges containing dangerous substances
- 16 10 01\* aqueous liquid wastes containing dangerous substances
- 16 10 03\* aqueous concentrates containing dangerous substances
- 19 08 11\* sludges containing dangerous substances from biological treatment of industrial waste water
- 19 08 13\* sludges containing dangerous substances from other treatment of industrial waste water
- 19 13 03\* sludges from soil remediation containing dangerous substances
- 19 13 05\* sludges from groundwater remediation containing dangerous substances
- 19 13 07\* aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances

## 03.22 Sludges containing hydrocarbons

## 1 Hazardous

- 01 05 05\* oil-containing drilling muds and wastes
- 10 02 11\* wastes from cooling-water treatment containing oil
- 10 03 27\* wastes from cooling-water treatment containing oil
- 10 04 09\* wastes from cooling-water treatment containing oil
- 10 05 08\* wastes from cooling-water treatment containing oil
- 10 06 09\* wastes from cooling-water treatment containing oil
- 10 07 07\* wastes from cooling-water treatment containing oil
- 10 08 19\* wastes from cooling-water treatment containing oil
- 12 03 01\* aqueous washing liquids
- 12 03 02\* steam degreasing wastes
- 16 07 08\* wastes containing oil
- 19 08 10\* grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
- 19 11 03\* aqueous liquid wastes

## 03.3 Sludges and liquid wastes from waste treatment

## 03.31 Sludges and liquid wastes from waste treatment

## 0 Non-hazardous

- 19 02 06 sludges from physico/chemical treatment other than those mentioned in 19 02 05

▼ M5

19 04 04	aqueous liquid wastes from vitrified waste tempering
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
19 07 03	landfill leachate other than those mentioned in 19 07 02
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05

## 1 Hazardous

19 02 05*	sludges from physico/chemical treatment containing dangerous substances
19 02 08*	liquid combustible wastes containing dangerous substances
19 02 11*	other wastes containing dangerous substances
19 07 02*	landfill leachate containing dangerous substances
19 11 05*	sludges from on-site effluent treatment containing dangerous substances

## 05 Health care and biological wastes

## 05.1 Infectious health care wastes

## 05.11 Human infectious health care wastes

## 1 Hazardous

18 01 03*	wastes whose collection and disposal is subject to special requirements in order to prevent infection
-----------	---

## 05.12 Animal infectious health care wastes

## 1 Hazardous

18 02 02*	wastes whose collection and disposal is subject to special requirements in order to prevent infection
-----------	---

## 05.2 Non-infectious health care wastes

## 05.21 Non-infectious human health care wastes

## 0 Non-hazardous

18 01 01	sharps (except 18 01 03)
18 01 02	body parts and organs including blood bags and blood preserves (except 18 01 03)
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (e.g. dressings, plaster casts, linen, disposable clothing, diapers)

## 05.22 Non-infectious animal health care wastes

## 0 Non-hazardous

18 02 01	sharps (except 18 02 02)
----------	--------------------------

**▼M5**

18 02 03 wastes whose collection and disposal is not subject to special requirements in order to prevent infection

**06 Metallic wastes****06.1 Metal wastes, ferrous****06.11 Ferrous metal waste and scrap****0 Non-hazardous**

10 02 10 mill scales  
10 12 06 discarded molds  
12 01 01 ferrous metal filings and turnings  
12 01 02 ferrous metal dust and particles  
16 01 17 ferrous metal  
17 04 05 iron and steel  
19 01 02 ferrous materials removed from bottom ash  
19 10 01 iron and steel waste  
19 12 02 ferrous metal

**06.2 Metal wastes, non-ferrous****06.23 Other waste aluminium****0 Non-hazardous**

17 04 02 aluminium

**06.24 Copper waste****0 Non-hazardous**

17 04 01 copper, bronze, brass

**06.25 Lead waste****0 Non-hazardous**

17 04 03 lead

**06.26 Other metal wastes****0 Non-hazardous**

11 05 01 hard zinc  
12 01 03 non-ferrous metal filings and turnings  
12 01 04 non-ferrous metal dust and particles  
16 01 18 non-ferrous metal  
17 04 04 zinc  
17 04 06 tin  
17 04 11 cables other than those mentioned in 17 04 10

**▼M5**

- 19 10 02 non-ferrous waste
- 19 12 03 non-ferrous metal
- 06.3 Metal wastes, mixed ferrous and non-ferrous
  - 06.31 Mixed metallic packaging
    - 0 Non-hazardous
      - 15 01 04 metallic packaging
  - 06.32 Other mixed metallic wastes
    - 0 Non-hazardous
      - 02 01 10 waste metal
      - 17 04 07 mixed metals
      - 20 01 40 metals
- 07 Non-metallic wastes
  - 07.1 Glass wastes
    - 07.11 Glass packaging
      - 0 Non-hazardous
        - 15 01 07 glass packaging
    - 07.12 Other glass wastes
      - 0 Non-hazardous
        - 10 11 12 waste glass other than those mentioned in 10 11 11
        - 16 01 20 glass
        - 17 02 02 glass
        - 19 12 05 glass
        - 20 01 02 glass
      - 1 Hazardous
        - 10 11 11\* waste glass in small particles and glass powder containing heavy metals (e.g. from cathode ray tubes)
    - 07.2 Paper and cardboard wastes
      - 07.21 Waste paper and cardboard packaging
        - 0 Non-hazardous
          - 15 01 01 paper and cardboard packaging
      - 07.23 Other paper and cardboard wastes
        - 0 Non-hazardous
          - 19 12 01 paper and cardboard
          - 20 01 01 paper and cardboard
    - 07.3 Rubber wastes
      - 07.31 Used tyres
        - 0 Non-hazardous
          - 16 01 03 end-of-life tyres

**▼M5**

## 07.4 Plastic wastes

## 07.41 Plastic packaging wastes

## 0 Non-hazardous

15 01 02 plastic packaging

## 07.42 Other plastic wastes

## 0 Non-hazardous

02 01 04 waste plastics (except packaging)

07 02 13 waste plastic

12 01 05 plastics shavings and turnings

16 01 19 plastic

17 02 03 plastic

19 12 04 plastic and rubber

20 01 39 plastics

## 07.5 Wood wastes

## 07.51 Wood packaging

## 0 Non-hazardous

15 01 03 wooden packaging

## 07.52 Sawdust and shavings

## 0 Non-hazardous

03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer  
other than those mentioned in 03 01 04

## 1 Hazardous

03 01 04\* sawdust, shavings, cuttings, wood, particle board and veneer  
containing dangerous substances

## 07.53 Other wood wastes

## 0 Non-hazardous

03 01 01 waste bark and cork

03 03 01 waste bark and wood

17 02 01 wood

19 12 07 wood other than that mentioned in 19 12 06

20 01 38 wood other than that mentioned in 20 01 37

## 1 Hazardous

19 12 06\* wood containing dangerous substances

20 01 37\* wood containing dangerous substances

## 07.6 Textile wastes

## 07.61 Worn clothing

## 0 Non-hazardous

20 01 10 clothes

**▼M5**

## 07.62 Miscellaneous textiles wastes

## 0 Non-hazardous

- 04 02 09 wastes from composite materials (impregnated textile, elastomer, plastomer)
- 04 02 10 organic matter from natural products (e.g. grease, wax)
- 04 02 21 wastes from unprocessed textile fibres
- 04 02 22 wastes from processed textile fibres
- 15 01 09 textile packaging
- 19 12 08 textiles
- 20 01 11 textiles

## 07.63 Leather wastes

## 0 Non-hazardous

- 04 01 01 fleshings and lime split wastes
- 04 01 02 liming waste
- 04 01 08 waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium

## 07.7 Waste containing PCB

## 07.71 Oils containing PCBs

## 1 Hazardous

- 13 01 01\* hydraulic oils, containing PCB
- 13 03 01\* insulating or heat transmission oils containing PCBs

## 07.72 Equipment containing or contaminated by PCBs

## 1 Hazardous

- 16 01 09\* components containing PCBs
- 16 02 09\* transformers and capacitors containing PCBs
- 16 02 10\* discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09

## 07.73 Construction and demolition waste containing PCBs

## 1 Hazardous

- 17 09 02\* construction and demolition wastes containing PCB (e.g. PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)

## 08 Discarded equipment

## 08.1 Discarded vehicles

## 08.12 Other discarded vehicles

## 0 Non-hazardous

- 16 01 06 end-of-life vehicles, containing neither liquids nor other hazardous components

▼ M5

## 1 Hazardous

16 01 04\* end-of-life vehicles

## 08.2 Discarded electrical and electronic equipment

## 08.21 Discarded major household equipment

## 1 Hazardous

16 02 11\* discarded equipment containing chlorofluorocarbons, HCFC, HFC

20 01 23\* discarded equipment containing chlorofluorocarbons

## 08.23 Other discarded electrical and electronic equipment

## 0 Non-hazardous

09 01 10 single-use cameras without batteries

09 01 12 single-use cameras containing batteries other than those mentioned in 09 01 11

16 02 14 discarded equipment other than those mentioned in 16 02 09 to 16 02 13

20 01 36 discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

## 1 Hazardous

09 01 11\* single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03

16 02 13\* discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12

20 01 35\* discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components

## 08.4 Discarded machines and equipment components

## 08.41 Batteries and accumulators wastes

## 0 Non-hazardous

16 06 04 alkaline batteries (except 16 06 03)

16 06 05 other batteries and accumulators

20 01 34 batteries and accumulators other than those mentioned in 20 01 33

## 1 Hazardous

16 06 01\* lead batteries

16 06 02\* Ni-Cd batteries

16 06 03\* mercury- containing batteries

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

**▼M5**

## 08.43 Other discarded machines and equipment components

## 0 Non-hazardous

- 16 01 12 brake pads other than those mentioned in 16 01 11
- 16 01 16 tanks for liquefied gas
- 16 01 22 components not otherwise specified
- 16 02 16 components removed from discarded equipment other than those mentioned in 16 02 15

## 1 Hazardous

- 16 01 07\* oil filters
- 16 01 08\* components containing mercury
- 16 01 10\* explosive components (e.g. air bags)
- 16 01 21\* hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14
- 16 02 15\* hazardous components removed from discarded equipment
- 20 01 21\* fluorescent tubes and other mercury-containing waste

## 09 Animal and vegetal wastes

## 09.1 Animal and mixed food waste

## 09.11 Animal waste of food preparation and products

## 0 Non-hazardous

- 02 01 02 animal-tissue waste
- 02 02 01 sludges from washing and cleaning
- 02 02 02 animal-tissue waste
- 02 02 03 materials unsuitable for consumption or processing
- 02 05 01 materials unsuitable for consumption or processing

## 09.12 Mixed waste of food preparation and products

## 0 Non-hazardous

- 02 03 02 wastes from preserving agents
- 02 06 02 wastes from preserving agents
- 19 08 09 grease and oil mixture from oil/water separation containing only edible oil and fats
- 20 01 08 biodegradable kitchen and canteen waste
- 20 01 25 edible oil and fat

## 09.2 Vegetal wastes

## 09.21 Green wastes

## 0 Non-hazardous

- 02 01 07 wastes from forestry



**▼ M5**

20 02 01 biodegradable waste

09.22 Vegetal waste of food preparation and products

0 Non-hazardous

02 01 01 sludges from washing and cleaning

02 01 03 plant-tissue waste

02 03 01 sludges from washing, cleaning, peeling, centrifuging and separation

02 03 03 wastes from solvent extraction

02 03 04 materials unsuitable for consumption or processing

02 06 01 materials unsuitable for consumption or processing

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

09.3 Slurry and manure

09.31 Slurry and manure

0 Non-hazardous

02 01 06 animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site

10 Mixed wastes

10.1 Household and similar wastes

10.11 Household wastes

0 Non-hazardous

20 03 01 mixed municipal waste

20 03 02 waste from markets

20 03 07 bulky waste

20 03 99 municipal wastes not otherwise specified

10.12 Street cleaning wastes

0 Non-hazardous

20 03 03 street-cleaning residues

10.2 Mixed and undifferentiated materials

10.21 Mixed packaging

0 Non-hazardous

15 01 05 composite packaging

15 01 06 mixed packaging

10.22 Other mixed and undifferentiated materials

0 Non-hazardous

01 03 99 wastes not otherwise specified

▼ M5

01 04 99	wastes not otherwise specified
01 05 99	wastes not otherwise specified
02 01 99	wastes not otherwise specified
02 02 99	wastes not otherwise specified
02 03 99	wastes not otherwise specified
02 04 99	wastes not otherwise specified
02 05 99	wastes not otherwise specified
02 06 99	wastes not otherwise specified
02 07 99	wastes not otherwise specified
03 01 99	wastes not otherwise specified
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 99	wastes not otherwise specified
04 01 99	wastes not otherwise specified
04 02 99	wastes not otherwise specified
05 01 99	wastes not otherwise specified
05 06 99	wastes not otherwise specified
05 07 99	wastes not otherwise specified
06 01 99	wastes not otherwise specified
06 02 99	wastes not otherwise specified
06 03 99	wastes not otherwise specified
06 04 99	wastes not otherwise specified
06 06 99	wastes not otherwise specified
06 07 99	wastes not otherwise specified
06 08 99	wastes not otherwise specified
06 09 99	wastes not otherwise specified
06 10 99	wastes not otherwise specified
06 11 99	wastes not otherwise specified
06 13 99	wastes not otherwise specified
07 01 99	wastes not otherwise specified
07 02 99	wastes not otherwise specified
07 03 99	wastes not otherwise specified
07 04 99	wastes not otherwise specified
07 05 99	wastes not otherwise specified
07 06 99	wastes not otherwise specified
07 07 99	wastes not otherwise specified

▼ M5

08 01 99	wastes not otherwise specified
08 02 99	wastes not otherwise specified
08 03 99	wastes not otherwise specified
08 04 99	wastes not otherwise specified
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 99	wastes not otherwise specified
10 01 99	wastes not otherwise specified
10 02 99	wastes not otherwise specified
10 03 99	wastes not otherwise specified
10 04 99	wastes not otherwise specified
10 05 99	wastes not otherwise specified
10 06 99	wastes not otherwise specified
10 07 99	wastes not otherwise specified
10 08 99	wastes not otherwise specified
10 09 99	wastes not otherwise specified
10 10 99	wastes not otherwise specified
10 11 99	wastes not otherwise specified
10 12 99	wastes not otherwise specified
10 13 99	wastes not otherwise specified
11 01 99	wastes not otherwise specified
11 02 99	wastes not otherwise specified
11 05 99	wastes not otherwise specified
12 01 13	welding wastes
12 01 99	wastes not otherwise specified
16 01 99	wastes not otherwise specified
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 07 99	wastes not otherwise specified
19 01 99	wastes not otherwise specified
19 02 99	wastes not otherwise specified
19 05 99	wastes not otherwise specified
19 06 99	wastes not otherwise specified

▼ M5

19 08 01	screenings
19 08 99	wastes not otherwise specified
19 09 99	wastes not otherwise specified
19 11 99	wastes not otherwise specified
20 01 99	other fractions not otherwise specified
1 Hazardous	
09 01 06*	wastes containing silver from on-site treatment of photographic wastes
16 03 03*	inorganic wastes containing dangerous substances
16 03 05*	organic wastes containing dangerous substances
17 04 09*	metal waste contaminated with dangerous substances
17 04 10*	cables containing oil, coal tar and other dangerous substances
18 01 10*	amalgam waste from dental care

## 10.3 Sorting residues

## 10.32 Other sorting residues

0 Non-hazardous	
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 10	combustible wastes other than those mentioned in 19 02 08 and 19 02 09
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 10 04	fluff-light fraction and dust other than those mentioned in 19 10 03
19 10 06	other fractions other than those mentioned in 19 10 05
19 12 10	combustible waste (refuse derived fuel)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
1 Hazardous	
19 02 04*	premixed wastes composed of at least one hazardous waste
19 02 09*	solid combustible wastes containing dangerous substances
19 04 03*	non-vitrified solid phase
19 10 03*	fluff-light fraction and dust containing dangerous substances

▼ **M5**

- 19 10 05\* other fractions containing dangerous substances
- 19 12 11\* other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances

## 11 Common sludges

## 11.1 Waste water treatment sludges

## 11.11 Sludges from treatment of public sewerage water

## 0 Non-hazardous

- 19 08 05 sludges from treatment of urban waste water

## 11.12 Biodegradable sludges from treatment of other waste water

## 0 Non-hazardous

- 02 02 04 sludges from on-site effluent treatment
- 02 03 05 sludges from on-site effluent treatment
- 02 04 03 sludges from on-site effluent treatment
- 02 05 02 sludges from on-site effluent treatment
- 02 06 03 sludges from on-site effluent treatment
- 02 07 05 sludges from on-site effluent treatment
- 03 03 11 sludges from on-site effluent treatment other than those mentioned in 03 03 10

## 11.2 Sludges from purification of drinking and process water

## 11.21 Sludges from purification of drinking and process water

## 0 Non-hazardous

- 05 01 13 boiler feedwater sludges
- 19 09 02 sludges from water clarification

## 11.4 Cesspit contents

## 11.41 Cesspit contents

## 0 Non-hazardous

- 20 03 04 septic tank sludge
- 20 03 06 waste from sewage cleaning

## 12 Mineral wastes

## 12.1 Construction and demolition wastes

## 12.11 Concrete, bricks and gypsum waste

## 0 Non-hazardous

- 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

▼ M5

- 17 05 08 track ballast other than those mentioned in 17 05 07
- 17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01
- 1 Hazardous
  - 17 01 06\* mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
  - 17 05 07\* track ballast containing dangerous substances
  - 17 08 01\* gypsum-based construction materials contaminated with dangerous substances

## 12.12 Waste hydrocarbonised road-surfacing material

- 0 Non-hazardous
  - 17 03 02 bituminous mixtures other than those mentioned in 17 03 01
- 1 Hazardous
  - 17 03 01\* bituminous mixtures containing coal tar
  - 17 03 03\* coal tar and tarred products

## 12.13 Mixed construction wastes

- 0 Non-hazardous
  - 17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03
  - 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
- 1 Hazardous
  - 17 02 04\* glass, plastic and wood containing or contaminated with dangerous substances
  - 17 06 03\* other insulation materials consisting of or containing dangerous substances
  - 17 09 01\* construction and demolition wastes containing mercury
  - 17 09 03\* other construction and demolition wastes (including mixed wastes) containing dangerous substances

## 12.2 Asbestos wastes

## 12.21 Asbestos wastes

- 1 Hazardous
  - 06 07 01\* wastes containing asbestos from electrolysis
  - 06 13 04\* wastes from asbestos processing
  - 10 13 09\* wastes from asbestos-cement manufacture containing asbestos
  - 15 01 11\* metallic packaging containing a dangerous solid porous matrix (e.g. asbestos), including empty pressure containers
  - 16 01 11\* brake pads containing asbestos

**▼M5**

16 02 12\* discarded equipment containing free asbestos

17 06 01\* insulation materials containing asbestos

17 06 05\* construction materials containing asbestos

### 12.3 Waste of naturally occurring minerals

#### 12.31 Waste of naturally occurring minerals

##### 0 Non-hazardous

01 01 01 wastes from mineral metalliferous excavation

01 01 02 wastes from mineral non-metalliferous excavation

01 03 06 tailings other than those mentioned in 01 03 04 and 01 03 05

01 03 08 dusty and powdery wastes other than those mentioned in 01 03 07

01 03 09 red mud from alumina production other than the wastes mentioned in 01 03 07

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 10 dusty and powdery wastes other than those mentioned in 01 04 07

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

01 05 04 fresh-water drilling muds and wastes

01 05 07 barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06

01 05 08 chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06

02 04 01 soil from cleaning and washing beet

08 02 02 aqueous sludges containing ceramic materials

10 11 10 waste preparation mixture before thermal processing other than those mentioned in 10 11 09

10 12 01 waste preparation mixture before thermal processing

10 13 01 waste preparation mixture before thermal processing

19 08 02 waste from desanding

19 09 01 solid waste from primary filtration and screenings

19 13 02 solid wastes from soil remediation other than those mentioned in 19 13 01

▼ M5

20 02 03 other non-biodegradable wastes

## 1 Hazardous

01 03 04\* acid-generating tailings from processing of sulphide ore

01 03 05\* other tailings containing dangerous substances

01 03 07\* other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals

01 04 07\* wastes containing dangerous substances from physical and chemical processing of non-metalliferous minerals

01 05 06\* drilling muds and other drilling wastes containing dangerous substances

10 11 09\* waste preparation mixture before thermal processing containing dangerous substances

19 13 01\* solid wastes from soil remediation containing dangerous substances

## 12.4 Combustion wastes

## 12.41 Waste from flue gas purification

## 0 Non-hazardous

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 19 wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18

10 02 08 solid wastes from gas treatment other than those mentioned in 10 02 07

10 02 14 sludges and filter cakes from gas treatment other than those mentioned in 10 02 13

10 03 20 flue-gas dust other than those mentioned in 10 03 19

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 07 03 solid wastes from gas treatment

10 07 05 sludges and filter cakes from gas treatment

10 08 16 flue-gas dust other than those mentioned in 10 08 15

10 08 18 sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17

10 09 10 flue-gas dust other than those mentioned in 10 09 09

10 10 10 flue-gas dust other than those mentioned in 10 10 09

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



▼ M5

10 12 05	sludges and filter cakes from gas treatment
10 12 10	solid wastes from gas treatment other than those mentioned in 10 12 09
10 13 07	sludges and filter cakes from gas treatment
10 13 13	solid wastes from gas treatment other than those mentioned in 10 13 12
1 Hazardous	
10 01 18*	wastes from gas cleaning containing dangerous substances
10 02 07*	solid wastes from gas treatment containing dangerous substances
10 02 13*	sludges and filter cakes from gas treatment containing dangerous substances
10 03 19*	flue-gas dust containing dangerous substances
10 03 23*	solid wastes from gas treatment containing dangerous substances
10 03 25*	sludges and filter cakes from gas treatment containing dangerous substances
10 04 04*	flue-gas dust
10 04 06*	solid wastes from gas treatment
10 04 07*	sludges and filter cakes from gas treatment
10 05 03*	flue-gas dust
10 05 05*	solid waste from gas treatment
10 05 06*	sludges and filter cakes from gas treatment
10 06 03*	flue-gas dust
10 06 06*	solid wastes from gas treatment
10 06 07*	sludges and filter cakes from gas treatment
10 08 15*	flue-gas dust containing dangerous substances
10 08 17*	sludges and filter cakes from flue-gas treatment containing dangerous substances
10 09 09*	flue-gas dust containing dangerous substances
10 10 09*	flue-gas dust containing dangerous substances
10 11 15*	solid wastes from flue-gas treatment containing dangerous substances
10 11 17*	sludges and filter cakes from flue-gas treatment containing dangerous substances
10 12 09*	solid wastes from gas treatment containing dangerous substances
10 13 12*	solid wastes from gas treatment containing dangerous substances
10 14 01*	waste from gas cleaning containing mercury

▼ M5

11 05 03\* solid wastes from gas treatment

12.42 Slags and ashes from thermal treatment and combustion

0 Non-hazardous

- 06 09 02 phosphorous slag
- 10 01 01 bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
- 10 01 02 coal fly ash
- 10 01 03 fly ash from peat and untreated wood
- 10 01 15 bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
- 10 01 17 fly ash from co-incineration other than those mentioned in 10 01 16
- 10 01 24 sands from fluidised beds
- 10 02 01 wastes from the processing of slag
- 10 02 02 unprocessed slag
- 10 03 16 skimmings other than those mentioned in 10 03 15
- 10 03 22 other particulates and dust (including ball-mill dust) other than those mentioned in 10 03 21
- 10 03 30 wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
- 10 05 01 slags from primary and secondary production
- 10 05 04 other particulates and dust
- 10 05 11 dross and skimmings other than those mentioned in 10 05 10
- 10 06 01 slags from primary and secondary production
- 10 06 02 dross and skimmings from primary and secondary production
- 10 06 04 other particulates and dust
- 10 07 01 slags from primary and secondary production
- 10 07 02 dross and skimmings from primary and secondary production
- 10 07 04 other particulates and dust
- 10 08 04 particulates and dust
- 10 08 09 other slags
- 10 08 11 dross and skimmings other than those mentioned in 10 08 10
- 10 09 03 furnace slag
- 10 09 12 other particulates other than those mentioned in 10 09 11
- 10 10 03 furnace slag

▼ M5

10 10 12 other particulates other than those mentioned in 10 10 11

10 12 03 particulates and dust

11 05 02 zinc ash

## 1 Hazardous

10 01 04\* oil fly ash and -boiler dust

10 01 13\* fly ash from emulsified hydrocarbons used as fuel

10 01 14\* bottom ash, slag and boiler dust from co-incineration containing dangerous substances

10 01 16\* fly ash from co-incineration containing dangerous substances

10 03 04\* primary production slags

10 03 09\* black drosses from secondary production

10 03 15\* skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities

10 03 21\* other particulates and dust (including ball-mill dust) containing dangerous substances

10 03 29\* wastes from treatment of salt slags and black drosses containing dangerous substances

10 04 01\* slags from primary and secondary production

10 04 02\* dross and skimmings from primary and secondary production

10 04 05\* other particulates and dust

10 05 10\* dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities

10 08 08\* salt slag from primary and secondary production

10 08 10\* dross and skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities

10 09 11\* other particulates containing dangerous substances

10 10 11\* other particulates containing dangerous substances

## 12.5 Various mineral wastes

## 12.51 Artificial mineral wastes

## 0 Non-hazardous

02 04 02 off-specification calcium carbonate

06 09 04 calcium-based reaction wastes other than those mentioned in 06 09 03

06 11 01 calcium-based reaction wastes from titanium dioxide production

08 02 03 aqueous suspensions containing ceramic materials

10 03 05 waste alumina

▼ M5

10 09 14	waste binders other than those mentioned in 10 09 13
10 11 03	waste glass-based fibrous materials
10 11 05	particulates and dust
10 11 14	glass-polishing and -grinding sludge other than those mentioned in 10 11 13
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 12	wastes from glazing other than those mentioned in 10 12 11
10 13 04	wastes from calcination and hydration of lime
10 13 06	particulates and dust (except 10 13 12 and 10 13 13)
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 14	waste concrete and concrete sludge
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

## 1 Hazardous

06 09 03*	calcium-based reaction wastes containing or contaminated with dangerous substances
10 11 13*	glass-polishing and -grinding sludge containing dangerous substances
10 12 11*	wastes from glazing containing heavy metals
11 02 02*	sludges from zinc hydrometallurgy (incl. jarosite, goethite)
12 01 16*	waste blasting material containing dangerous substances
12 01 20*	spent grinding bodies and grinding materials containing dangerous substances

## 12.52 Waste refractory materials

## 0 Non-hazardous

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 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

▼ M5

- 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
- 1 Hazardous
  - 10 09 05\* casting cores and moulds which have not undergone pouring containing dangerous substances
  - 10 09 07\* casting cores and moulds which have undergone pouring containing dangerous substances
  - 10 10 05\* casting cores and moulds which have not undergone pouring containing dangerous substances
  - 10 10 07\* casting cores and moulds which have undergone pouring containing dangerous substances
  - 16 11 01\* carbon-based linings and refractories from metallurgical processes containing dangerous substances
  - 16 11 03\* other linings and refractories from metallurgical processes containing dangerous substances
  - 16 11 05\* linings and refractories from non-metallurgical processes containing dangerous substances

## 12.6 Soils

## 12.61 Soils

## 0 Non-hazardous

- 17 05 04 soil and stones other than those mentioned in 17 05 03
- 20 02 02 soil and stones

## 1 Hazardous

- 05 01 05\* oil spills
- 17 05 03\* soil and stones containing dangerous substances

## 12.7 Dredging spoil

## 12.71 Dredging spoil

## 0 Non-hazardous

- 17 05 06 dredging spoil other than those mentioned in 17 05 05

## 1 Hazardous

- 17 05 05\* dredging spoil containing dangerous substances

**▼M5**

## 12.8 Waste from waste treatment

## 12.81 Waste from waste treatment

## 0 Non-hazardous

- 19 01 12 bottom ash and slag other than those mentioned in 19 01 11
- 19 01 14 fly ash other than those mentioned in 19 01 13
- 19 01 16 boiler dust other than those mentioned in 19 01 15
- 19 01 18 pyrolysis wastes other than those mentioned in 19 01 17
- 19 01 19 sands from fluidised beds
- 19 12 09 minerals (for example sand, stones)

## 1 Hazardous

- 19 01 05\* filter cake from gas treatment
- 19 01 06\* aqueous liquid wastes from gas treatment and other aqueous liquid wastes
- 19 01 07\* solid wastes from gas treatment
- 19 01 11\* bottom ash and slag containing dangerous substances
- 19 01 13\* fly ash containing dangerous substances
- 19 01 15\* boiler dust containing dangerous substances
- 19 01 17\* pyrolysis wastes containing dangerous substances
- 19 04 02\* fly ash and other flue-gas treatment wastes
- 19 11 07\* wastes from flue-gas cleaning

## 13 Solidified, stabilised or vitrified waste

## 13.1 Solidified or stabilised waste

## 13.11 Solidified or stabilised waste

## 0 Non-hazardous

- 19 03 05 stabilised wastes other than those mentioned in 19 03 04
- 19 03 07 solidified wastes other than those mentioned in 19 03 06

## 1 Hazardous

- 19 03 04\* wastes marked as hazardous, partly stabilised
- 19 03 06\* wastes marked as hazardous, solidified

## 13.2 Vitrified wastes

## 13.21 Vitrified wastes

## 0 Non-hazardous

- 19 04 01 vitrified waste