



COMMISSION OF THE EUROPEAN COMMUNITIES

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Draft  
**COUNCIL REGULATION (EC)**

on waste management statistics

(presented by the Commission)

## EXPLANATORY MEMORANDUM

1. The Fifth Environmental Action Programme (EAP) identifies as one of the key tasks for the 1990s the management of waste according to the hierarchical principles: waste prevention, optimization of recycling and reuse and safe disposal. To monitor the implementation of this policy, and following a recommendation put forward in Article 11.4(a) of the draft European Parliament and Council Decision on the review of the EAP, the Commission seeks to have regular, comparable, recent and representative data on waste production, recycling, reuse and waste disposal.
2. Waste Management Statistics currently consist of a basic survey every two years done by OECD with the cooperation of Eurostat on some very general topics on waste. This voluntary survey is completely insufficient because it contains unclear definitions, is not using as waste category list the European Waste Catalogue (EWC), established by Commission Decision 94/3/EC<sup>1</sup>, and is not forcing the Member States to establish comparable waste statistics. In addition the survey doesn't allow waste streams to be followed and therefore cannot give any information on the way certain waste types are treated. The results of the final survey are, in most parts, incomplete so it is not yet possible to present at least some basic data for the whole of Europe (EU 15).
3. The most important obstacles to achieving comparable waste management data are firstly the different conditions and stages of development of waste management in the Member States and secondly the utilization of different waste category lists for waste management statistics in the countries of the European Union. As regards the conditions that exist, there are considerable differences in the organisation of waste management between urban and non-urban areas and industrialised and more agricultural areas. Also, in relation to development, differences can be estimated between highly centralised waste management on regional level and more local waste management. The differences mentioned are reflected in different data types and their availability. These differences create an important obstacle in the course of data harmonisation.

As for the different waste lists, in use for waste statistics, harmonisation can only be reached by direct linkage to the legally binding EWC and by further improvement of this basis in the future.

4. To limit the costs of implementation of a national waste statistics system the data needs in the proposed Regulation are expressed complementary to the data needs for production statistics according to the Council Regulation 58/97/EEC concerning structural business statistics<sup>2</sup>. This complement between production and proposed waste statistics does not only allow for integrated reports on production and waste but also allows Member States to make integrated surveys. In addition, Member States are allowed to use administrative data for their waste statistics if the coverage and quality conditions are granted.

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<sup>1</sup> OJ L 5, 7.1.1994, p. 15.

<sup>2</sup> OJ L 14, 17.1.1997, p. 1.

5. In line with the principle of subsidiarity, in general only national data referring to the waste categories of the EWC are requested. The characteristics to be collected are defined so as to leave the type of operation up to the Member States.

Data at regional level are requested in order to monitor the amount of household and similar waste, the regional capacities of waste treatment and their utilization. This monitoring is necessary for analysing the implementation of the proximity principle of waste management laid down in the proposed Council Directive on the landfill of waste<sup>3</sup>.

6. The proposed Regulation has been widely discussed with the national statistical institutes and also with the "Committee for the Adaptation to Scientific and Technical Progress of EC-Legislation on Waste". The proposed Regulation has received a favorable opinion from the "Statistical Programme Committee". It should enable the Member States to progressively adapt their waste statistics and turn them into a highly informative tool.

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<sup>3</sup> OJ C 156, 24.5.1997, p. 10.

Draft  
**COUNCIL REGULATION (EC)**  
on waste management statistics

(Text with EEA relevance)

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty establishing the European Community and in particular Article 213 thereof,

Having regard to the draft Regulation submitted by the Commission<sup>4</sup>,

Having regard to the opinion of the European Parliament<sup>5</sup>,

Having regard to the opinion of the Economic and Social Committee<sup>6</sup>,

- (1) Whereas 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 the three principles - waste prevention, maximization of recovery and safe disposal - governing waste management policy;
- (2) Whereas 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) Whereas waste management policy has led to the establishment of a set of principles to be followed by waste producing units and waste management; whereas this requires the monitoring of waste at different points of the waste stream: at waste production, waste collection and waste treatment and disposal;
- (4) Whereas Council Regulation (EC) No 322/97 of 17 February 1997 on Community Statistics<sup>7</sup> constitutes the reference framework for the provisions of this Regulation;
- (5) Whereas, in order to guarantee comparable results, waste statistics should be produced in accordance with the determined breakdown and in an appropriate form and within a fixed period of time from the end of the reference year;
- (6) Whereas, in accordance with the principles of subsidiarity and proportionality as set out in Article 3b of the Treaty, the objectives of the proposed measure, namely to establish a framework for the production of Community statistics on waste management cannot be sufficiently achieved by the Member States, by reason of the need to define terms for 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 by the Community; whereas this Regulation confines itself to the minimum required in order to achieve those objectives and does not go beyond what is necessary for that purpose;

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7 OJ L 52, 22.2.1997, p. 1.

- (7) Whereas Member States may need a transition period for the adaptation or establishment of their statistics on waste;
- (8) Whereas the implementation of this Regulation, and its adaptation to economic and technical progress, require close collaboration between the Commission and the Member States within the Statistical Programme Committee;
- (9) Whereas the Statistical Programme Committee has been consulted by the Commission,

HAS ADOPTED THIS REGULATION:

#### Article 1

1. The objective of this Regulation is to establish a framework for the production of Community statistics on waste management.
2. Member States and the Commission, within their respective fields of competence, shall produce Community statistics on the management of waste from businesses and private households.
3. The statistics shall cover the following areas:
  - (a) waste production and recovery by economic activities according to Annex I;
  - (b) household and similar waste collection by businesses and the municipal collection scheme according to Annex II;
  - (c) waste incineration, composting and disposal by businesses and municipal authorities according to Annex III.

In compiling the statistics, Member States and the Commission shall observe the equivalence between the European Waste Catalogue (EWC) established by Commission Decision 94/3/EC<sup>8</sup> and the substance-oriented aggregation, as set out in Annex IV to this Regulation.

#### Article 2

For the purposes of this Regulation:

- (a) "waste" shall mean any substance or object in the categories set out in Annex I to Council Directive 75/442/EEC on waste<sup>9</sup>, which the holder discards, or intends or is required to discard;
- (b) "management" shall mean the production, collection, transport, recovery and disposal of waste, including the supervision of such operations and after-care of disposal sites;

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<sup>8</sup> OJ L 5, 7.1.1994, p. 15.

<sup>9</sup> OJ L 194, 25.7.1975, p. 39.

- (c) "recycling" shall mean the reprocessing, in a production process, of the waste materials for the original purpose or for other purposes including organic recycling, but excluding energy recovery;
- (d) "recovery" shall mean any waste management operation resulting in a product with a potential economical or ecological benefit including recycling and energy recovery;
- (e) "disposal" shall mean any waste management operation designed to prepare, or to carry out, the final treatment of waste;
- (f) "hazardous waste" shall mean any waste defined pursuant to Article 1(4) of Council Directive 91/689/EEC<sup>10</sup> such as listed in Council Decision 94/904/EC<sup>11</sup> establishing a list of hazardous waste or considered by a Member State to display any of the properties listed in Annex III of Directive 91/689/EEC;
- (g) "non-hazardous waste" shall mean waste which is not covered by point (f);
- (h) "landfill" shall mean a waste disposal site for the deposit of waste on to or into land, including internal waste disposal sites (i.e. landfill where a producer of waste is carrying out its own waste disposal at the place of production) and excluding facilities where waste is unloaded in order to permit its preparation for further transport for recovery, treatment or disposal elsewhere, and temporary (i.e. less than one year) deposit of waste prior to recovery, treatment or disposal.

### Article 3

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

- compulsory surveys;
- use of other sources;
- statistical estimation procedures; or
- a combination of these means

under the condition that quality and accuracy conditions are met.

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

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<sup>10</sup> OJ L 377, 31.12.1991, p. 20.

<sup>11</sup> OJ L 356, 31.12.1994, p. 14.

2. In order to reduce administrative burdens on small enterprises, enterprises with less than 10 employees shall be excluded from compulsory surveys.
3. Member States shall produce statistical results following the breakdown stipulated in Annexes I, II and III.
4. Member States shall transmit the results, including confidential data, to Eurostat in an appropriate format and within a period of time from the end of the respective reference periods as laid down in Annexes I, II and III.

#### **Article 4**

During a transitional period which may not exceed three years from the date of entry into force of this Regulation, the Commission may, at the request of the Member States, grant derogation from the provisions of Annexes I, II and III wherever the national statistical systems require major adaptations.

#### **Article 5**

The measures necessary for the implementation of this Regulation, including the adjustment to economic and technical developments, shall be determined in accordance with the procedure referred to in Article 6.

These measures shall include, in particular:

- (a) the adaptation of the specifications listed in the Annexes; and
- (b) the necessary implementation measures to produce results in accordance with Article 3(2), (3) and (4).

#### **Article 6**

1. The Commission shall be assisted by the Statistical Programme Committee.
2. The representative of the Commission shall submit to the Committee a draft of the measures to be taken. The Committee shall deliver its opinion on the draft within a time-limit which the chairman may lay down according to the urgency of the matter. The opinion shall be delivered by the majority laid down in Article 148(2) of the Treaty in the case of decisions which the Council is required to adopt on a proposal from the Commission. The votes of the representatives of the Member States within the Committee shall be weighted in the manner set out in that Article. The Chairman shall not vote.

The Commission shall adopt measures which shall apply immediately. However if these measures are not in accordance with the opinion of the committee, they shall be communicated by the Commission to the Council forthwith. In that event:

The Commission shall defer application of the measures which it has decided for a period of three months from the date of referral to the Council.

The Council, acting by a qualified majority, may take a different decision within the time limit referred to in the previous subparagraph.

#### **Article 7**

The Commission shall, within three years of 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 business.

#### **Article 8**

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.

Done at Brussels,

For the Council  
The President



## WASTE PRODUCTION AND RECOVERY BY ECONOMIC ACTIVITIES

### Section 1

#### Coverage

The statistics are to be compiled for all activities classified within the coverage of the sections C to Q, except Division 12, of NACE REV. 1. These Sections cover all economic activities, except agriculture, hunting, forestry (A), fishing (B) and mining of uranium and thorium ores (12), which are outside the domain of this Annex.

### Section 2

#### Waste categories

1. The waste categories for which statistics on waste production and recovery are to be compiled are derived as aggregation from the European Waste Catalogue (EWC).
2. Each item in the EWC is attributed to the aggregated substance-oriented waste list tabled in paragraph 3 of this Section. The transposition table between EWC and substance-oriented aggregation is listed in Annex IV.
3. Statistics on the following waste categories are to be produced:

Substance aggregation of EWC (The codes are referring to the transposition table listed in Annex 4)			Splitting up between hazardous waste and non- hazardous waste necessary?
Number	Code	Waste type	
1	01.1	spent solvents	no
2, 3	01.2	acid, alkaline or saline wastes	yes
4	01.3	used oils	no
5, 6	02.1	chemical reaction waste	yes
7, 8	02.2	sludges from chemical processes	yes
9	02.3	Contaminated soils	no
10, 11	03.	chemical preparation waste	yes
12	05.	Infectious waste	no
13	06.1	ferrous metal scrap excluded packaging	no
14	06.2	non-ferrous metal scrap excl. packaging	no
15	06.3	metal packaging waste	no
16	06.4	other mixed metal wastes	no
17	07.11-12	glass packaging waste	no
18	07.13	other glass waste	no
19	07.21	paper and cardboard packaging waste	no
20	07.22-23	other paper and cardboard waste	no
21	07.3	rubber waste	no
22	07.41	plastic packaging waste	no
23	07.42	other plastic waste	no
24	07.51	wood packaging waste	no
25	07.52-53	other wood waste	no
26	07.6	textile waste	no
27	08.2	end of life vehicles	no
28	08.3	household equipment excluded vehicles	no
29, 30	08.41	waste batteries and accumulators	yes
31	08.42	spent catalytic converters	no
32, 33	08 excl. above	Discarded equipment	yes
34	09	manure and slurry	no
35	10.1-2	animal-, crop- and food waste	no
36	10.3	park and garden waste	no
37	11.1	mixed household, kitchen and public waste	no
38	11.2	mixed materials	no
39, 40	11.3	treatment residues	yes
41	12 excl. 12.3	Sewage sludge and cesspit contents	no
42	12.3	Dredging spoil	no
43	13.1 excl. 13.12	construction and demolition waste	no
44	13.12	asbestos waste	no
45	13.2 + 13.4	mineral waste	no
46, 47	13.3	combustion wastes	yes
48	14	solidified and vitrified wastes	no

### Section 3

#### Characteristics for the waste categories

The characteristics, for which the statistics are to be compiled, are set out in the table below. Minimum requirement for the breakdown of the listed characteristics is the three-digit level. All characteristics are referring to the waste list defined in Section 2, point 3 of this Annex.

Code (First digit equals Annex number)	Title
Waste received (including hazardous waste)	
1 11	Quantity of waste received from outside for incineration (including co-combustion of waste in industrial processes like cement production), composting and landfilling
1 12	Quantity of waste received from outside for recovery including recycling (excluded incineration and composting)
Total amount of waste (including hazardous waste) for handling	
1 20	<b>Total amount of waste including waste produced and quantity of waste received from outside for recovery, composting, incineration and landfilling (excluding internal recycling loops)</b>
1 21	Quantity of waste internally recovered
1 22	Quantity of waste internally incinerated (including co-combustion of waste)
1 23	Quantity of secondary waste (resulting from recovery or incineration)
1 24	Quantity of waste internally landfilled
1 25	Quantity of waste carried away for export, external recovery, incineration and disposal
A 1 25 1	Quantity of waste carried away by own resources for export, external recovery, incineration and disposal
A 1 25 2	Quantity of waste handed over and carried away for export, external recovery, incineration and disposal
Destination of waste (including hazardous waste) carried away	
B 1 25 1	Quantity of waste exported
B 1 25 2	Quantity of waste for external recovery (including recycling)
B 1 25 3	Quantity of waste for external incineration
B 1 25 4	Quantity of waste for external disposal

### Section 4

#### First reference year and periodicity

1. The first reference year is the calendar year 1999.
2. Member States shall furnish the data every three years.

## **Section 5**

### **Transmission of results to Eurostat**

The results are to be transmitted within 18 months after the end of the reference year.

## **Section 6**

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

1. For each grouping of activities listed in Section 7, Member States shall indicate the percentage to which this activity is covered by data collection. The coverage can be estimated by external criteria such as employment for which data should be available for the statistical units defined in Section 7 of this Annex. If Member States want to use external criteria not related to the statistical units defined in Section 7 of this Annex they should explain the method elaborated in the quality report according to point 3 of this Section. Minimum requirement for the coverage is 90% for each group of activities.
2. For the obligatory characteristics of the hazardous and non-hazardous waste categories listed in Section 3, Member States shall give a quality report, indicating the degree of precision for the collected data.
3. The Commission shall include the coverage and quality reports in the report provided for in Article 7 of this Regulation.

## Section 7

### Production of results

1. The results for the characteristics listed in Section 3, are to be compiled for the following groupings of NACE REV. 1:

Grouping of NACE - activities	
Sections, Divisions, Groups and Classes of NACE REV.1	Title
C	Mining and quarrying
DA	Manufacture of food products, beverages and tobacco
DB + DC	Manufacture of textiles, leather and leather and textile products
DD	Manufacture of wood and wood products
DE	Manufacture of pulp, paper, and paper products; publishing and printing
DF (excluded 23.3)	Manufacture of coke and refined petroleum products
DG + DH	Manufacture of chemicals, chemical products, man-made fibres, rubber and plastic products
DI + DJ	Manufacture of other non-metallic mineral products, basic metals and fabricated metal products
DK	Manufacture of machinery and equipment n. e. c.
DL	Manufacture of electrical and optical equipment
DM	Manufacture of transport equipment
DN (excluded: 37)	Manufacturing n. e. c.
37	Recycling
40(part of E)	Electricity, gas, steam and hot water supply
41(part of E)	Collection, purification and distribution of water
F	Construction
G + I (only oil wastes)	Wholesale and retail trade; repair of motor vehicles, motor cycles and personal and household goods; Transport, storage and communication
51.57 (part of G)	Wholesale of waste and scrap
74.81(part of K)	Photographic activities
85.11 (part of N)	Hospital activities
90 (part of O)	Sewage and refuse disposal, sanitation and similar activities
G-Q (excluded: 51.57, 74.81, 85.11 and 90)	Other service activities

2. Statistical units are *Local Units* as defined in Council Regulation (EEC) No 696/93 on the statistical units for the observation and analysis of the production system in the Community<sup>12</sup>.

<sup>12</sup> OJ L 76, 30.3.1993, p. 1.

**HOUSEHOLD AND SIMILAR WASTE COLLECTION BY BUSINESSES  
AND THE MUNICIPAL COLLECTION SCHEME**

**Section 1**

**Coverage**

1. The statistics are to be compiled for all *Kind-of-Activity Units* (KAUs), defined in the Council Regulation (EEC) No 696/93, within the coverage of the Division 90, the Class 51.57 and the Section I of NACE REV. 1. These Sections cover the activities of transport (I), wholesale of waste and scrap (51.57) and sewage and refuse disposal (90).
2. Waste collection includes mixed and sorted household, public and similar waste according to the list in the following section.
3. Waste collection includes besides traditional waste collection by municipalities or on behalf of them also waste collection by businesses.

**Section 2**

**Waste categories**

1. The waste categories for which the statistics are to be compiled are listed below. The listed waste categories have to be kept separately.

2. List of waste categories:

No	EWC-code	Waste category
<b>Mixed household, public and similar waste</b> (collected by municipalities themselves or on behalf of them)		
1	ex. 20 03 01	Mixed household and similar waste
2	ex. 20 03 01	Mixed bulky household waste
3	20 03 02-03	Waste from markets and street cleansing waste
<b>Separately collected fractions of household, public and similar waste</b> (collected by municipalities and private business)		
4	20 02 + 20 01 08	Green park and garden waste (including organic compostable kitchen waste)
5	16 06 + 20 01 20	Batteries and accumulators
6	20 01 01	paper and cardboard
7	15 01 01	packaging of paper and cardboard
8	20 01 02	glass
9	-----	glass packaging
10	20 01 03-04	plastics
11	15 01 02	plastic packaging
12	20 01 05-06	metals
13	15 01 04	metallic packaging
14	20 01 07	wood
15	15 01 03	wooden packaging
16	15 01 05	composite packaging
17	15 01 06	mixed packaging
18	20 01 09	oil and fat
19	20 01 10-11	clothes and textiles
20	20 01 12-19	chemicals and medicines
21	20 01 21-24	discarded equipment
22	20 03 05	end of life vehicles
23	-----	others

### Section 3

#### Characteristics

1. For each waste category listed in Section 2, point 2 the characteristics, set out in the table below, have to be compiled.
2. Data characteristics for household, public and similar waste collection:

Code (First digit equals Annex number)	Title
<b>Total quantity of waste collected</b>	
2 20	Quantity of waste
<b>Sources of waste collected</b>	
2 21	Quantity of waste collected from small enterprises, craft and service
2 22	Quantity of waste collected from households
2 23	Quantity of waste imported
<b>Destination of waste</b>	
2 25	Quantity of waste given to recovery including recycling
2 26	Quantity of waste given to incineration with energy utilization
2 27	Quantity of waste given to incineration without energy utilization
2 28	Quantity of waste given to landfilling
2 29	Quantity of waste given to export

3. On regional level the characteristics listed in the table below have to be compiled:

<b>Regional characteristics of waste collection</b>	
Code (First digit equals Annex number)	Title
2 00	NUTS 2-level: Population served by the municipal collection scheme (referring only to mixed household, public and similar waste)
2 10	NUTS 1-level: Quantity of waste collected of each substance listed in Section 2, point 2

### Section 4

#### First reference year and periodicity

1. The first reference year for which statistics are to be compiled is the calendar year 1999.
2. Member States shall furnish the data every three years.



## **Section 5**

### **Transmission of results to Eurostat**

The results are to be transmitted within 18 months of the end of the calendar year of the reference period.

## **Section 6**

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

1. For the characteristic "population served by municipal collection scheme" listed in Section 3 to be compiled for NUTS 2 level, Member States shall give a quality report, indicating the degree of precision for the collected data.
2. For the other characteristics listed in Section 3 to be compiled for NUTS 1 or national level, Member States shall indicate the estimated coverage of data collection for each waste category. Minimum requirement 90% for each waste category.
3. For the characteristics listed in Section 3, Member States shall give a quality report, indicating the degree of precision for the collected data.
4. The Commission will include the coverage and quality reports in the report provided for in Article 7 of this Regulation.

## **Section 7**

### **Production of results**

1. The results for all characteristics, except 2 00, have to be produced by a breakdown into the 3 NACE sections transport (I), wholesale of waste and scrap (51.57) and sewage and refuse disposal (90).
2. Statistical units for all characteristics are the *Kind-of-Activity Units* (KAUs) as defined in the Council Regulation (EEC) No 696/93. For the characteristics to be produced at NUTS 1 or NUTS 2 level *local-KAUs* can be used as statistical units (optional).

## WASTE INCINERATION, COMPOSTING AND DISPOSAL BY BUSINESSES AND MUNICIPAL AUTHORITIES

### Section 1

#### Coverage

The statistics are to be compiled for the whole economy.

### Section 2

#### Waste categories

The list of waste categories for which the statistics are to be compiled is the substance-oriented aggregation of EWC as defined in Section 2, paragraph 3 of Annex I.

### Section 3

#### Characteristics

1. The characteristics, for which the statistics are to be compiled, are set out in the table below.
2. List of characteristics for incineration, composting and disposal operations:

Code (First digit equal Annex number)	No	Title
<b>Number and capacity of treatment operations per region</b>		
3 00	1	Number of operation facilities at NUTS 2-level
3 10	2	Capacity in tons at NUTS 2-level
<b>Waste treated per treatment operation and geographical source</b>		
3 20	3	Total quantities of wastes received at NUTS 1-level
3 21	4	Quantities of wastes received from own country
3 22	5	Quantities of wastes received from imports from EU
3 23	6	Quantities of wastes received from imports outside EU
<b>Output of treatment operations</b>		
3 30	7	Gross energy production
3 31	8	Energy utilization
3 40	9	Waste output

#### **Section 4**

##### **First reference year and periodicity**

1. The first reference year for which statistics are to be compiled is the calendar year 1999.
2. Member States shall furnish the data annually.

#### **Section 5**

##### **Transmission of results to Eurostat**

1. The results are to be transmitted within 12 months of the end of the calendar year of the reference period.

#### **Section 6**

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

1. For each type of operation listed in Section 7, paragraph 2, Member States will indicate the percentage to which this activity is covered by data collection. The coverage can be estimated by external criteria such as employment or amount of waste input. Minimum requirement for the coverage is 90% for each type of operation.
2. For the characteristics listed in Section 3, paragraph 2, Member States will give a quality report, indicating the degree of precision for the collected data.
3. The Commission will include the coverage and quality reports in the report provided for in Article 7 of this Regulation.

#### **Section 7**

##### **Production of results**

1. The results for the characteristics listed in Section 3, are to be compiled for incineration, composting and disposal operations.

2. List of INCINERATION, COMPOSTING and DISPOSAL OPERATIONS; the codes are referring to the codes in the Annexes of the Council Directive 75/442/EEC on waste adapted by Commission Decision 96/350/EC<sup>13</sup>:

CODES	No	TYPES OF INCINERATION, COMPOSTING and DISPOSAL OPERATIONS (including preparatory activities)
		INCINERATION and COMPOSTING
D10	1	Incineration on land
D11	2	Incineration at sea
R1	3	Use principally as a fuel or other means to generate energy
R3	4	Composting and other biological transformation processes (excluding other forms of recycling of organic substances)
		PREPARATORY ACTIVITIES RELATED TO RECOVERY AND DISPOSAL
	5	Sorting of municipal waste at recycling/sorting centers
D8	6	Biological treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12
D9	7	Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (e.g. evaporation, drying, calcination, etc.)
D13	8	Blending or mixing prior to submission to any of the operations numbered D1 to D12
		DISPOSAL
D1	9	Deposit into or onto land (e. g. landfill, etc.)
D2	10	Land treatment (e.g. biodegradation of liquid or sludgy discards in soils, etc.)
D3	11	Deep injection (e.g. injection of pumpable discards into wells, salt domes or naturally occurring repositories, etc.)
D4	12	Surface impoundment (e.g. placement of liquid or sludgy discards into pits, ponds or lagoons, etc.)
D5	13	Special engineered landfill (e. g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)
D6	14	Release into a water body except seas/oceans
D7	15	Release into seas/oceans including sea-bed insertion
D12	16	Permanent storage (e. g. emplacement of containers in a mine, etc.)

3. Statistical units are the *Kind-of-Activity Units* (KAUs).

<sup>13</sup> OJ L 135, 6.6.1996, p.32.

ANNEX IV: TRANSPOSITION TABLE: EUROPEAN WASTE CATALOGUE (EWC) - SUBSTANCE-ORIENTED AGGREGATION

Substance aggregation			EWC		Hazardous according to Decision 94/904/EEC							
1. level	2. level	3. level	4-digit	6-digit	hazardous := X							
1 Chemical compounds waste	01.1 Spent solvents	01.11 Halogenated spent solvents	02.03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee and tobacco preparation, processing; conserve production; tobacco processing	02.03.03 P*	wastes from solvent extraction						
			07.01	waste from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals	07.01.03	organic halogenated solvents, washing liquids and mother liquors	X					
			07.02	waste from the MFSU of plastics, synthetic rubber and man-made fibres	07.02.03	organic halogenated solvents, washing liquids and mother liquors	X					
			07.03	waste from the MFSU of organic dyes and pigments (excluding 06 11 00)	07.03.03	organic halogenated solvents, washing liquids and mother liquors	X					
			07.04	waste from the MFSU of organic pesticides (except 02 01 05)	07.04.03	organic halogenated solvents, washing liquids and mother liquors	X					
			07.05	waste from the MFSU of pharmaceuticals	07.05.03	organic halogenated solvents, washing liquids and mother liquors	X					
			07.06	waste from the MFSU of fats, grease, soaps, detergents disinfectants and cosmetics	07.06.03	organic halogenated solvents, washing liquids and mother liquors	X					
			07.07	waste from the MFSU of fine chemicals and chemical products not otherwise specified	07.07.03	organic halogenated solvents, washing liquids and mother liquors	X					
			14.01	wastes from metal degreasing and machinery maintenance	14.01.01	chlorofluorocarbons	X					
					14.01.02	other halogenated solvents and solvent mixes	X					
					14.01.04	aqueous solvent mixes containing halogens	X					
			14.02	wastes from textile cleaning and degreasing of natural products	14.02.01	halogenated solvents and solvent mixes	X					
			14.03	wastes from the electronic industry	14.03.01	chlorofluorocarbons	X					
					14.03.02	other halogenated solvents	X					
			14.04	wastes from coolants, foam/aerosol propellents	14.04.01	chlorofluorocarbons	X					
					14.04.02	other halogenated solvents and solvent mixes	X					
			14.05	wastes from solvent and coolant recovery (still bottoms)	14.05.01	chlorofluorocarbons	X					
					14.05.02	other halogenated solvents and solvent mixes	X					
			20.01	separately collected fractions	20.01.13 P*	solvents	X					
			01.12 Non halogenated spent solvents			02.03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee and tobacco preparation, processing; conserve production; tobacco processing	02.03.03 P*	wastes from solvent extraction			
		07.01				waste from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals	07.01.04	other organic solvents, washing liquids and mother liquors	X			
		07.02				waste from the MFSU of plastics, synthetic rubber and man-made fibres	07.02.04	other organic solvents, washing liquids and mother liquors	X			
		07.03				waste from the MFSU of organic dyes and pigments (excluding 06 11 00)	07.03.04	other organic solvents, washing liquids and mother liquors	X			
		07.04				waste from the MFSU of organic pesticides (except 02 01 05)	07.04.04	other organic solvents, washing liquids and mother liquors	X			
		07.05				waste from the MFSU of pharmaceuticals	07.05.04	other organic solvents, washing liquids and mother liquors	X			
		07.06				waste from the MFSU of fats, grease, soaps, detergents disinfectants and cosmetics	07.06.04	other organic solvents, washing liquids and mother liquors	X			
		07.07				waste from the MFSU of fine chemicals and chemical products not otherwise specified	07.07.04	other organic solvents, washing liquids and mother liquors	X			
		14.01				wastes from metal degreasing and machinery maintenance	14.01.03	other solvents and solvent mixes	X			
							14.01.05	aqueous solvent mixes free of halogens	X			
		14.02				wastes from textile cleaning and degreasing of natural products	14.02.02	solvent mixes or organic liquids free of halogenated solvents	X			
		14.03				wastes from the electronic industry	14.03.03	solvents and solvent mixes free of halogenated solvents	X			
		14.04				wastes from coolants, foam/aerosol propellents	14.04.03	other solvents and solvent mixes	X			
		14.05				wastes from solvent and coolant recovery (still bottoms)	14.05.03	other solvents and solvent mixes	X			
		20.01				separately collected fractions	20.01.13 P*	solvents	X			
		01.13 Sludges containing halogenated solvents						04.01	wastes from the leather industry	04.01.03 P*	degreasing wastes containing solvents without a liquid phase	X
								14.01	wastes from metal degreasing and machinery maintenance	14.01.06	sludges or solid wastes containing halogenated solvents	X
			14.02	wastes from textile cleaning and degreasing of natural products	14.02.03			sludges or solid wastes containing halogenated solvents	X			
			14.03	wastes from the electronic industry	14.03.04			sludges or solid wastes containing halogenated solvents	X			
			14.04	wastes from coolants, foam/aerosol propellents	14.04.04			sludges or solid wastes containing halogenated solvents	X			
		14.05	wastes from solvent and coolant recovery (still bottoms)	14.05.04	sludges containing halogenated solvents	X						

Substance aggregation			EWC				Hazardous according to Decision 94/904/EEC
1. level	2. level	3. level	4-digit		6-digit		hazardous = X
		01.14 Sludges containing non halogenated solvents	04.01	wastes from the leather industry	04.01.03 P	degreasing wastes containing solvents without a liquid phase	x
			14.01	wastes from metal degreasing and machinery maintenance	14.01.07	sludges or solid wastes free of halogenated solvents	x
			14.02	wastes from textile cleaning and degreasing of natural products	14.02.04	sludges or solid wastes containing other solvents	x
			14.03	wastes from the electronic industry	14.03.05	sludges or solid wastes containing other solvents	x
			14.04	wastes from coolants, foam/aerosol propellents	14.04.05	sludges or solid wastes containing other solvents	x
			14.05	wastes from solvent and coolant recovery (still bottoms)	14.05.05	sludges containing other solvents	x
	01.2 Acid, alkaline or saline wastes	01.21 Acid wastes	02.06	wastes from the baking and confectionery industry	02.06.99	wastes not otherwise specified	
			06.01	waste acidic solutions	06.01.01	sulphuric acid and sulphurous acid	x
					06.01.02	hydrochloric acid	x
					06.01.03	hydrofluoric acid	x
					06.01.04	phosphoric and phosphorous acid	x
					06.01.05	nitric acid and nitrous acid	x
					06.01.99	waste not otherwise specified	x
			09.01	wastes from photographic industry	09.01.04	fixer solutions	x
					09.01.05	bleach solutions and bleach fixer solutions	x
			10.01	wastes from power station and other combustion plants (except 19 00 00)	10.01.09	sulphuric acid	x
			11.01	liquid wastes and sludges from metal treatment and coating of metals (eg. galvanic processes, zinc coating processes, pickling processes, etching, phosphatizing, alkaline degreasing)	11.01.03	cyanide-free wastes containing chromium	x
					11.01.04	cyanide-free wastes not containing chromium	x
					11.01.05	acidic pickling solutions	x
					11.01.06	acids not otherwise specified	x
			16.06	batteries and accumulators	16.06.06	electrolyte from batteries and accumulators	x
			20.01	separately collected fractions	20.01.14	acids	
		01.22 Alkaline wastes	06.02	waste alkaline solutions	06.02.01	calcium hydroxide	x
					06.02.02	soda	x
					06.02.03	ammonia	x
					06.02.99	wastes not otherwise specified	x
			09.01	wastes from photographic industry	09.01.01	water based developer and activator solutions	x
					09.01.02	water based offset plate developer solutions	x
					09.01.03	solvent based developer solutions	x
			11.01	liquid wastes and sludges from metal treatment and coating of metals (eg. galvanic processes, zinc coating processes, pickling processes, etching, phosphatizing, alkaline degreasing)	11.01.01	cyanidic (alkaline) wastes containing heavy metals other than chromium	x
					11.01.02	cyanidic (alkaline) wastes which do not contain heavy metals	x
					11.01.07	alkalis not otherwise specified	x
			11.03	sludges and solids from tempering processes	11.03.01	wastes containing cyanide	x
			19.02	wastes from specific physico/chemical treatments of industrial wastes (e.g. dechromatation, decyanidation, neutralisation)	19.02.01	metal hydroxide sludges and other sludges from metal insolubilisation treatment	x
			20.01	separately collected fractions	20.01.15	alkalines	
		01.23 Saline solutions	01.04	waste from further physical and chemical processing of non metaliferous minerals	01.04.04	waste from potash and rock salt processing	
			06.03	waste salts and their solutions	06.03.02	saline solutions containing sulphates, sulphites or sulphides	
					06.03.04	saline solutions containing chlorides, fluorides and halides	
					06.03.06	saline solutions containing phosphates and related solid salts	
					06.03.08	saline solutions containing nitrates and related compounds	
					06.03.11	salts and solutions containing cyanides	x
					06.03.12	salts and solutions containing organic compounds	
			10.06	wastes from copper thermal metallurgy	10.06.05	waste from electrolytic refining	x
		01.24 Other saline wastes	01.04	waste from further physical and chemical processing of non metaliferous minerals	01.04.04	waste from potash and rock salt processing	
			01.05	drilling muds and other drilling wastes	01.05.02	barite-containing drilling muds and wastes	
					01.05.03	chloride-containing drilling muds and wastes	
					01.05.99	wastes not otherwise specified	
			05.05	oil desulphurisation waste	05.05.01	waste containing sulphur	
			05.07	wastes from natural gas purification	05.07.02	waste containing sulphur	

Substance aggregation			EWC		Hazardous according to Decision 94/904/EEC					
1. level	2. level	3. level	4-digit		6-digit	hazardous := X				
			06.03	waste salts and their solutions	06.03.01	carbonates (except 02.04.02 and 19.10.03)	x			
					06.03.03	solid salts containing sulphates, sulphites or sulphides				
					06.03.05	solid salts containing chlorides, fluorides and other halogenated solid salts				
					06.03.07	phosphates and related solid salts				
					06.03.09	solid salts containing nitrides (nitrometallic)				
					06.03.10	solid salts containing ammonium				
					06.03.11	salts and solutions containing cyanides				
					06.03.12	salts and solutions containing organic compounds				
					06.03.99	wastes not otherwise specified				
					06.04	metal-containing wastes		06.04.01	metallic oxides	x
								06.04.02	metallic salts (except 06.03.00)	
								06.04.03	wastes containing arsenic	
			06.04.04	wastes containing mercury						
			06.04.05	wastes containing other heavy metals						
			06.04.99	wastes not otherwise specified						
			06.06	wastes from sulphur chemical processes (production and transformation) and desulphurisation processes	06.06.01	waste containing sulphur				
			10.03	wastes from aluminium thermal metallurgy	10.03.08	salt slags from secondary smelting	x			
					10.03.10	waste from treatment of salt slags and black drosses treatment	x			
			11.01	liquid wastes and sludges from metal treatment and coating of metals (eg. galvanic processes, zinc coating processes, pickling processes, etching, phosphatizing, alkaline degreasing)	11.01.08	phosphatizing sludges	x			
			11.02	wastes and sludges from non-ferrous hydrometallurgical processes	11.02.01	sludges from copper hydrometallurgy	x			
					11.02.02	sludges from zinc hydrometallurgy (including jarosite, goethite)				
			11.03	sludges and solids from tempering processes	11.03.02	other wastes	x			
			19.08	wastes from waste water treatment plants not otherwise specified	19.08.07	solutions and sludges from regeneration of ion exchangers	x			
					19.09.03	solutions and sludges from regeneration of ion exchangers				
			19.09	wastes from the preparation of drinking water or water for industrial use	19.09.06	solutions and sludges from regeneration of ion exchangers				
			01.3 Used oils	01.31 Used motor oils	13.02	13.02.01	chlorinated engine, gear and lubricating oils	x		
						13.02.02	non-chlorinated engine, gear, lubricating oils	x		
13.06.01	oil waste not otherwise specified	x								
01.32 Used oils, non halogenated	12.01	wastes from shaping (including forging, welding, pressing, drawing, turning, cutting and filing)		12.01.06	waste machining oils containing halogens (not emulsified)	x				
				12.01.07	waste machining oils free of halogens (not emulsified)	x				
				12.01.08	waste machining emulsions containing halogens	x				
				12.01.09	waste machining emulsions free of halogens	x				
				12.01.10	synthetic machining oils	x				
				12.01.11	machining sludges	x				
				12.01.12	spent waxes and fats	x				
				12.02	wastes from mechanical surface treatment processes (blasting, grinding, honing, lapping, polishing)	12.02.02	sludges from grinding, honing and lapping	x		
						12.02.03	polishing sludges			
12.02.99	wastes not otherwise specified									
13.01	waste hydraulic oils and brake fluids	13.01.01	13.01.01	hydraulic oils, containing PCBs or PCTs	x					
			13.01.02	other chlorinated hydraulic oils (not emulsions)	x					
			13.01.03	non chlorinated hydraulic oils (not emulsions)	x					
			13.01.04	chlorinated emulsions	x					
			13.01.05	non chlorinated emulsions	x					
			13.01.06	hydraulic oils containing only mineral oil	x					
			13.01.07	other hydraulic oils	x					
			13.01.08	brake fluids	x					
		13.03	waste insulating and heat transmission oils and other liquids	13.03.01	insulating or heat transmission oils and other liquids containing PCBs or PCTs	x				
				13.03.02	other chlorinated insulating and heat transmission oils and other liquids	x				
				13.03.03	non-chlorinated insulating and heat transmission oils and other liquids	x				
				13.03.04	synthetic insulating and heat transmission oils and other liquids	x				
				13.03.05	mineral insulating and heat transmission oils	x				
				05.01	Oily sludges and solid wastes	05.01.07	acid tars	x		
						05.01.08	other tars	x		
05.06	waste from the pyrolytic treatment of coal	05.06.01	acid tars	x						
		05.06.02	asphalt							
		05.06.03	other tars	x						
		05.06.99	wastes not otherwise specified							
		2	Chemical and physical process wastes	02.1	Chemical reaction wastes	02.11	Tars and carbonaceous wastes			

Substance aggregation			EWC				Hazardous according to Decision 94/904/EEC	
1. level	2. level	3. level	4-digit		6-digit		hazardous = X	
			05.08	wastes from oil regeneration	05.08.02	acid tars	x	
					05.08.03	other tars	x	
			06.07	wastes from halogen chemical processes	06.07.02	activated carbon from chlorine production	x	
			06.13	wastes from other inorganic chemical processes	06.13.02	spent activated carbon (except 06 07 02)	x	
					06.13.03	carbon black		
			10.03	wastes from aluminium thermal metallurgy	10.03.01	tars and other carbon-containing wastes from anode manufacture	x	
					10.03.02	anode scraps		
					10.03.06	used carbon strips and fireproof materials from electrolysis		
			11.02	wastes and sludges from non-ferrous hydrometallurgical processes	11.02.03	wastes from the production of anodes for aqueous electrolytical processes		
			19.01	wastes from incineration or pyrolysis of municipal and similar commercial, industrial and institutional wastes	19.01.10	spent activated carbon from flue gas treatment	x	
			19.09	wastes from the preparation of drinking water or water for industrial use	19.09.04	spent activated carbon		
		02.12	Still bottoms	13.04	bilge oils	13.04.01	bilge oils from inland navigation	x
					13.04.02	bilge oils from jetty sewers	x	
					13.04.03	bilge oils from other navigation	x	
				13.05	oil/water separator contents	13.05.01	oil/water separator solids	x
					13.05.02	oil/water separator sludges	x	
					13.05.03	interceptor sludges	x	
					13.05.04	desalter sludges or emulsions	x	
					13.05.05	other emulsions	x	
				16.07	waste from transport and storage tank cleaning (except 05 00 00 and 12 00 00)	16.07.01	waste from marine transport tank cleaning, containing chemicals	x
					16.07.02	waste from marine transport tank cleaning, containing oil	x	
					16.07.03	waste from railway and road transport tank cleaning containing oil	x	
					16.07.04	waste from railway and road transport tank cleaning containing chemicals	x	
					16.07.05	waste from storage tank cleaning, containing chemicals	x	
					16.07.06	waste from storage tank cleaning, containing oil	x	
		02.13	Wastes of chemical reactions	03.03	wastes from pulp, paper and cardboard production and processing	03.03.02	dregs and green liquor sludge (from black liquor treatment)	
				04.01	wastes from the leather industry	04.01.04	tanning liquor containing chromium	
					04.01.05	tanning liquor free of chromium		
				07.01	waste from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals	07.01.01	aqueous washing liquids and mother liquors	x
					07.01.07	halogenated still bottoms and reaction residues	x	
					07.01.08	other still bottoms and reaction residues	x	
					07.01.99	wastes not otherwise specified		
				07.02	waste from the MFSU of plastics, synthetic rubber and man-made fibres	07.02.01	aqueous washing liquids and mother liquors	x
					07.02.07	halogenated still bottoms and reaction residues	x	
					07.02.08	other still bottoms and reaction residues	x	
					07.02.99	wastes not otherwise specified		
				07.03	waste from the MFSU of organic dyes and pigments (excluding 06 11 00)	07.03.01	aqueous washing liquids and mother liquors	x
					07.03.07	halogenated still bottoms and reaction residues	x	
					07.03.08	other still bottoms and reaction residues	x	
					07.03.99	wastes not otherwise specified		
				07.04	waste from the MFSU of organic pesticides (except 02 01 05)	07.04.01	aqueous washing liquids and mother liquors	x
					07.04.07	halogenated still bottoms and reaction residues	x	
					07.04.08	other still bottoms and reaction residues	x	
					07.04.99	wastes not otherwise specified		
				07.05	waste from the MFSU of pharmaceuticals	07.05.01	aqueous washing liquids and mother liquors	x
					07.05.07	halogenated still bottoms and reaction residues	x	
					07.05.08	other still bottoms and reaction residues	x	
					07.05.99	wastes not otherwise specified		
				07.06	waste from the MFSU of fats, grease, soaps, detergents disinfectants and cosmetics	07.06.01	aqueous washing liquids and mother liquors	x
					07.06.07	halogenated still bottoms and reaction residues	x	
					07.06.08	other still bottoms and reaction residues	x	
					07.06.99	wastes not otherwise specified		
				07.07	waste from the MFSU of fine chemicals and chemical products not otherwise specified	07.07.01	aqueous washing liquids and mother liquors	x
					07.07.07	halogenated still bottoms and reaction residues	x	
					07.07.08	other still bottoms and reaction residues	x	
					07.07.99	wastes not otherwise specified		
			19.04	vitrified wastes and wastes from vitrification	19.04.03	non-vitrified solid phase	x	



Substance aggregation			EWC				Hazardous according to Decision 94/904/EEC			
1. level	2. level	3. level	4-digit		6-digit		hazardous = X			
	02.14	Wastes of physical separation operations	07.01	waste from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals	07.01.09	halogenated filter cakes, spent absorbents	x			
					07.01.10	other filter cakes, spent absorbents	x			
			07.02	waste from the MFSU of plastics, synthetic rubber and man-made fibres	07.02.09	halogenated filter cakes, spent absorbents	x			
					07.02.10	other filter cakes, spent absorbents	x			
			07.03	waste from the MFSU of organic dyes and pigments (excluding 06 11 00)	07.03.09	halogenated filter cakes, spent absorbents	x			
					07.03.10	other filter cakes, spent absorbents	x			
			07.04	waste from the MFSU of organic pesticides (except 02 01 05)	07.04.09	halogenated filter cakes, spent absorbents	x			
					07.04.10	other filter cakes, spent absorbents	x			
			07.05	waste from the MFSU of pharmaceuticals	07.05.09	halogenated filter cakes, spent absorbents	x			
					07.05.10	other filter cakes, spent absorbents	x			
			07.06	waste from the MFSU of fats, grease, soaps, detergents disinfectants and cosmetics	07.06.09	halogenated filter cakes, spent absorbents	x			
					07.06.10	other filter cakes, spent absorbents	x			
			07.07	waste from the MFSU of fine chemicals and chemical products not otherwise specified	07.07.09	halogenated filter cakes, spent absorbents	x			
					07.07.10	other filter cakes, spent absorbents	x			
			19.01	wastes from incineration or pyrolysis of municipal and similar commercial, industrial and institutional wastes	19.01.05	filter cake from gas treatment	x			
			02.2	Sludges from chemical processes	02.21	Sludges from the treatment of industrial effluents	03.03	wastes from pulp, paper and cardboard production and processing	03.03.05	de-inking sludges from paper recycling
	04.01	wastes from the leather industry					04.01.06	sludges containing chromium		
							04.01.07	sludges free of chromium		
	04.02	wastes from textile industry					04.02.99	wastes not otherwise specified		
	05.01	Oily sludges and solid wastes					05.01.01	sludges from on-site effluent treatment		
	06.05	sludges from on-site effluent treatment					06.05.01	sludges from on-site effluent treatment		
	07.01	waste from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals					07.01.02	sludges from on-site effluent treatment		
	07.02	waste from the MFSU of plastics, synthetic rubber and man-made fibres					07.02.02	sludges from on-site effluent treatment		
	07.03	waste from the MFSU of organic dyes and pigments (excluding 06 11 00)					07.03.02	sludges from on-site effluent treatment		
	07.04	waste from the MFSU of organic pesticides (except 02 01 05)					07.04.02	sludges from on-site effluent treatment		
	07.05	waste from the MFSU of pharmaceuticals					07.05.02	sludges from on-site effluent treatment		
	07.06	waste from the MFSU of fats, grease, soaps, detergents disinfectants and cosmetics					07.06.02	sludges from on-site effluent treatment		
	07.07	waste from the MFSU of fine chemicals and chemical products not otherwise specified					07.07.02	sludges from on site effluent treatment		
	11.02	wastes and sludges from non-ferrous hydrometallurgical processes					11.02.04	sludges not otherwise specified		
	19.07	landfill leachate			19.07.01	landfill leachate				
	19.08	wastes from waste water treatment plants not otherwise specified			19.08.04 P	sludges from the treatment of industrial waste water				
	02.22	Sludges containing hydrocarbons			01.05	drilling muds and other drilling wastes	01.05.01	oil-containing drilling muds and wastes		
05.01							Oily sludges and solid wastes	05.01.02	desalter sludges	
								05.01.03	tank bottom sludges	x
								05.01.04	acid alkyl sludges	x
								05.01.06	sludges from plant, equipment and maintenance operations	
								05.01.99	wastes not otherwise specified	
								05.04	spent filter clays	05.04.01
05.05							oil desulphurisation waste	05.05.99	wastes not otherwise specified	
05.07							wastes from natural gas purification	05.07.99	wastes not otherwise specified	
05.08							wastes from oil regeneration	05.08.01	spent filter clays	x
			05.08.04	aqueous liquid waste from oil regeneration				x		
			05.08.99	wastes not otherwise specified						
12.03	wastes from water and steam degreasing processes (except 11 00 00)	12.03.01	aqueous washing liquids	x						
		12.03.02	steam degreasing wastes	x						
19.08	wastes from waste water treatment plants not otherwise specified	19.08.03	grease and oil mixture from oil/waste water separation	x						
02.3	Contaminated soils	02.30	Contaminated soils	05.01	Oily sludges and solid wastes	05.01.05	oil spills	x		
3	Chemical preparation waste	03.1	Off-specification chemicals	03.11	Agrochemical products wastes	02.01	primary production waste	02.01.05	agrochemical wastes	x
						06.13	wastes from other inorganic chemical processes	06.13.01	inorganic pesticides, biocides and wood preserving agents	x
						20.01	separately collected fractions	20.01.19	pesticides	x
		03.12	Unused medicines	18.01	waste from natal care, diagnosis, treatment or prevention of disease in humans	18.01.05	discarded chemicals and medicines			
				20.01	separately collected fractions	20.01.18	medicines			
		03.13	Paints, varnishes, inks and adhesives	03.01	wastes from wood processing and the production of panels and furniture	03.01.99	wastes not otherwise specified			

Substance aggregation			EWC		Hazardous according to Decision 94/904/EEC	
1. level	2. level	3. level	4-digit		6-digit	hazardous =
			03.02	wood preservation waste	03.02.01 non-halogenated organic wood preservatives	x
					03.02.02 organochlorinated wood preservatives	x
					03.02.03 organometallic wood preservatives	x
					03.02.04 inorganic wood preservatives	x
			04.02	wastes from textile industry	04.02.13 dye stuffs and pigments	
			08.01	wastes from MFSU of paint and varnish	08.01.01 waste paints and varnish containing halogenated solvents	x
					08.01.02 waste paints and varnish free of halogenated solvents	x
					08.01.03 waste from water-based paints and varnishes	
					08.01.04 powder paints	
					08.01.05 hardened paints and varnishes	
					08.01.06 sludges from paint or varnish removal containing halogenated solvents	x
					08.01.07 sludges from paint or varnish removal free of halogenated solvents	x
					08.01.08 aqueous sludges containing paint or varnish	
					08.01.09 waste from paint or varnish removal (except 08.01.05 and 08.01.06)	
					08.01.10 aqueous suspensions containing paint or varnish	
					08.01.99 wastes not otherwise specified	
			08.02	wastes from MFSU of other coating (including ceramic materials)	08.02.01 waste coating powders	
					08.02.03 aqueous suspensions containing ceramic materials	
					08.02.99 wastes not otherwise specified	
			08.03	waste from MFSU of printing inks	08.03.01 waste ink containing halogenated solvents	x
					08.03.02 waste ink free of halogenated solvents	x
					08.03.03 waste from water-based ink	
					08.03.04 dried ink	
					08.03.05 ink sludges containing halogenated solvents	x
					08.03.06 ink sludges free of halogenated solvents	x
					08.03.07 aqueous sludges containing ink	
					08.03.08 aqueous liquid waste containing ink	
					08.03.09 P waste printing toner (including cartridges)	
					08.03.99 wastes not otherwise specified	
			08.04	wastes from MFSU of adhesives and sealants (including waterproofing products)	08.04.01 waste adhesives and sealants containing halogenated solvents	x
					08.04.02 waste adhesives and sealants free of halogenated solvents	x
					08.04.03 wastes from water-based adhesives and sealants	
					08.04.04 hardened adhesives and sealants	
					08.04.05 adhesives and sealants sludges containing halogenated solvents	x
					08.04.06 adhesives and sealants sludges free of halogenated solvents	x
					08.04.07 aqueous sludges containing adhesives and sealants	
					08.04.08 aqueous liquid wastes containing adhesives and sealants	
					08.04.99 wastes not otherwise specified	
			20.01	separately collected fractions	20.01.12 paint, inks, adhesives and resins	x
		03.14 Other chemical preparation wastes	02.02	wastes from the preparation and processing of meat, fish and other foods of animal origin	02.02.99 P* wastes not otherwise specified	
			02.03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee and tobacco preparation, processing, conserve production, tobacco processing	02.03.02 wastes from preserving agents	
			02.05	wastes from the dairy products industry	02.05.99 P* wastes not otherwise specified	
			02.06	wastes from the baking and confectionery industry	02.06.02 wastes from preserving agents	
			02.07	wastes from the production of alcoholic and non-alcoholic beverages (excluding coffee, tea and cocoa)	02.07.03 waste from chemical treatment	
			03.03	wastes from pulp, paper and cardboard production and processing	03.03.03 bleaching sludges from hypochlorite and chlorine processes	
					03.03.04 bleaching sludges from other bleaching processes	
			05.07	wastes from natural gas purification	05.07.01 sludges containing mercury	x
			06.06	wastes from sulphur chemical processes (production and transformation) and desulphurisation processes	06.06.99 wastes not otherwise specified	
			06.07	wastes from halogen chemical processes	06.07.99 P* wastes not otherwise specified	
			06.08	wastes from production of silicon and silicon derivatives	06.08.01 wastes from production of silicon and silicon derivatives	
			06.09	wastes from phosphorus chemical processes	06.09.99 wastes not otherwise specified	
			06.10	wastes from nitrogen chemical processes and fertilizer manufacture	06.10.01 waste from nitrogen chemical processes and fertilizer manufacture	
			06.11	wastes from the manufacturing of inorganic pigments and opacifiers	06.11.99 wastes not otherwise specified	

Substance aggregation			EWC				Hazardous according to Decision 94/904/EEC			
1. level	2. level	3. level	4-digit		6-digit		hazardous := X			
			06.13	wastes from other inorganic chemical processes	06.13.99	wastes not otherwise specified	x			
			09.01	wastes from photographic industry	09.01.07	photographic film and paper containing silver or silver compounds				
					09.01.08	photographic film and paper free of silver or silver compounds				
			13.01	waste hydraulic oils and brake fluids	13.01.08	brake fluids				
			16.05	chemicals and gases in containers	16.05.01	industrial gases in high pressure cylinders, LPG containers and industrial aerosol containers (including halons)				
			18.02	waste from research, diagnosis, treatment or prevention of disease involving animals	18.02.04	discarded chemicals				
			19.08	wastes from waste water treatment plants not otherwise specified	19.08.06	saturated or spent ion exchange resins				
			19.09	wastes from the preparation of drinking water or water for industrial use	19.09.05	saturated or spent ion exchange resins				
	20.01	separately collected fractions	20.01.16	detergents	x					
			20.01.17	photo chemicals						
			20.01.22	aerosols						
	03.2	Unused explosive	03.21	Waste explosives and pyrotechnical products	16.04	waste explosives	16.04.02	fireworks waste	x	
							16.04.03	other waste explosives	x	
		03.3	Mixed chemical wastes	03.22	Waste ammunition	16.04	waste explosives	16.04.01	waste ammunition	x
						16.05	chemicals and gases in containers	16.05.02	other waste containing inorganic chemicals, e.g. lab chemicals not otherwise specified, fire extinguishing powders	x
03.32				Other chemical wastes, mixed from treatment	19.02	wastes from specific physico/chemical treatments of industrial wastes (e.g. dechromatation, decyanidation, neutralisation)	19.02.02	premixed wastes for final disposal		
5	Infectious waste	05.1	Human health care wastes	05.10	Human health care wastes	18.01	waste from natal care, diagnosis, treatment or prevention of disease in humans	18.01.02	body parts and organs including blood bags and blood preserves	x
								18.01.03 P*	other wastes whose collection and disposal is subject to special requirements in view of the prevention of infection	
								18.01.01	sharps	
	05.2	Infectious animals	05.20	Infectious animals	18.02	waste from research, diagnosis, treatment or prevention of disease involving animals	18.02.02	other wastes whose collection and disposal is subject to special requirements in view of the prevention of infection	x	
					18.01	waste from natal care, diagnosis, treatment or prevention of disease in humans	18.01.03 P*	other wastes whose collection and disposal is subject to special requirements in view of the prevention of infection	x	
					06.1	Ferrous metal scrap excluded packaging	06.11	Cuttings of ferrous metal	10.09	wastes from casting of ferrous pieces
06.2	Non-ferrous metal scrap excluded packaging	06.21	Waste precious metals n. q. e.	09.01	wastes from photographic industry	09.01.06	waste containing silver from on-site treatment of photographic waste			
				06.22	Aluminium waste excluded packaging	10.10	wastes from casting of non-ferrous pieces	10.10.99	wastes not otherwise specified	
						12.01	wastes from shaping (including forging, welding, pressing, drawing, turning, cutting and filing)	12.01.03 P*	non-ferrous metal filings and turnings	
								12.01.04 P*	other non-ferrous metal particules	
6	Metal waste	06.1	Ferrous metal scrap excluded packaging	06.11	Cuttings of ferrous metal	10.12	wastes from manufacture of ceramic goods, bricks, tiles and constructions products	10.12.06	discarded moulds	
						17.04	metals (including their alloys)	17.04.05	iron and steel	
						20.01	separately collected fractions	20.01.06 P*	other metals	
						12.01	wastes from shaping (including forging, welding, pressing, drawing, turning, cutting and filing)	12.01.01	ferrous metal filings and turnings	
				06.12	Turnings and filings of ferrous metal	12.01.02 P*	other ferrous metals particles			
						16.01	end of life vehicles	16.01.05 P*	light fraction from automobile shredding	
				06.13	Ferrous metals resulting from magnetic sorting of waste	19.01	wastes from incineration or pyrolysis of municipal and similar commercial, industrial and institutional wastes	19.01.02 P*	ferrous materials removed from bottom ash	

Substance aggregation			EWC				Hazardous according to Decision 94/904/EEC
1. level	2. level	3. level	4-digit		6-digit		hazardous = X
		06.23 Waste copper	17.04	metals (including their alloys)	17.04.02	aluminium	
					17.04.08 P*	cables	
			10.10	wastes from casting of non-ferrous pieces	10.10.99	wastes not otherwise specified	
			12.01	wastes from shaping (including forging, welding, pressing, drawing, turning, cutting and filing)	12.01.03 P*	non-ferrous metal filings and turnings	
					12.01.04 P*	other non-ferrous metal particules	
			17.04	metals (including their alloys)	17.04.01	copper, bronze, brass	
				17.04.08 P*	cables		
		06.24 Waste lead	10.10	wastes from casting of non-ferrous pieces	10.10.99	wastes not otherwise specified	
			12.01	wastes from shaping (including forging, welding, pressing, drawing, turning, cutting and filing)	12.01.03 P*	non-ferrous metal filings and turnings	
					12.01.04 P*	other non-ferrous metal particules	
		06.25 Waste of other metals	17.04	metals (including their alloys)	17.04.03	lead	
			10.10	wastes from casting of non-ferrous pieces	10.10.99	wastes not otherwise specified	
			12.01	wastes from shaping (including forging, welding, pressing, drawing, turning, cutting and filing)	12.01.03 P*	non-ferrous metal filings and turnings	
				12.01.04 P*	other non-ferrous metal particules		
	15.01		packaging	15.01.04 P*	metallic		
	17.04		metals (including their alloys)	17.04.04	zinc		
				17.04.06	tin		
	06.3 Metal packaging waste	06.31 Waste ferrous metal packaging	15.01	packaging	15.01.04 P*	metallic	
			20.01	separately collected fractions	20.01.05 P*	small metals (cans etc.)	
		06.32 Waste aluminium packaging	10.10	wastes from casting of non-ferrous pieces	10.10.99	wastes not otherwise specified	
			12.01	wastes from shaping (including forging, welding, pressing, drawing, turning, cutting and filing)	12.01.03 P*	non-ferrous metal filings and turnings	
					12.01.04 P*	other non-ferrous metal particules	
			20.01	separately collected fractions	20.01.05 P*	small metals (cans etc.)	
			20.01.06 P*	other metals			
06.33 Mixed metal packaging materials		15.01	packaging	15.01.06	mixed		
06.4 Other mixed metal wastes		06.41 Other mixed metal wastes	17.04	metals (including their alloys)	17.04.07	mixed metals	
			20.01	separately collected fractions	20.01.02 P*	glass	
7 Non-metallic waste	07.1 Glass waste	07.11 Glass packaging, sorted by colour	20.01	separately collected fractions	20.01.02 P*	glass	
			20.01	separately collected fractions	20.01.02 P*	glass	
		07.12 Mixed glass packaging	10.11	wastes from manufacture of glass and glass products	10.11.02	waste glass	
			17.02	wood, glass and plastic	17.02.02	glass	
			20.01	separately collected fractions	20.01.02 P*	glass	
	07.2 Paper and paperboard waste	07.21 Paper and cardboard packaging waste	15.01	packaging	15.01.01	paper and cardboard	
			20.01	separately collected fractions	20.01.01 P*	paper and cardboard	
		07.22 Waste newspaper and magazines	20.01	separately collected fractions	20.01.01 P*	paper and cardboard	
			07.23 Other paper and paperboard waste	03.03	wastes from pulp, paper and cardboard production and processing	03.03.06	fibre and paper sludge
					03.03.99	wastes not otherwise specified	
		15.02		absorbents, filter materials, wiping cloths and protective clothing	15.02.01 P*	absorbents, filter materials, wiping cloths, protective clothing	
				20.01	separately collected fractions	20.01.01 P*	paper and cardboard
	07.3 Rubber waste	07.31 Used tyres	16.01	end of life vehicles	16.01.03	used tyres	
07.32 Other rubber waste							

Substance aggregation			EWC				Hazardous according to Decision 94/904/EEC			
1. level	2. level	3. level	4-digit		6-digit		hazardous = X			
B	07.4 Plastic waste	07.41 Plastic packaging waste	15.01	packaging	15.01.02	plastic	x			
		07.42 Other plastic waste	02.01	primary production waste	02.01.04	waste plastics (excluding packaging)				
			12.01	wastes from shaping (including forging, welding, pressing, drawing, turning, cutting and filing)	12.01.05	plastics particles				
			16.02	discarded equipment and shredder residues	16.02.07	waste from the plastic convertor industry				
			17.02	wood, glass and plastic	17.02.03	plastic				
			20.01	separately collected fractions	20.01.03	small plastics				
			20.01.04	other plastics						
		07.5 Wood waste	07.51 Wood packaging waste	15.01	packaging	15.01.03		wooden		
			07.52 Sawdust and shavings	03.01	wastes from wood processing and the production of panels and furniture	03.01.02		sawdust		
				03.01.03	shavings, cuttings, spoiled timber/particle board/veneer					
			07.53 Other wood waste	03.01	wastes from wood processing and the production of panels and furniture	03.01.01		waste bark and cork		
				03.03	wastes from pulp, paper and cardboard production and processing	03.03.01		bark		
				17.02	wood, glass and plastic	17.02.01		wood		
		20.01		separately collected fractions	20.01.07	wood				
		07.6 Textile waste	07.61 Textile packaging materials	20.01	separately collected fractions	20.01.11 P*		textiles		
	07.62 Worn clothing		20.01	separately collected fractions	20.01.10	clothes				
	07.63 Miscellaneous textile wastes		04.02	wastes from textile industry	04.02.01	wastes from unprocessed textile fibres and other natural fibrous substances mainly of vegetable origin				
					04.02.02	wastes from unprocessed textile fibres mainly of animal origin				
					04.02.03	wastes from unprocessed textile fibres mainly artificial or synthetic				
					04.02.04	wastes from unprocessed mixed textile fibres before spinning and weaving				
					04.02.05	wastes from processed textile fibres mainly of vegetable origin				
					04.02.06	wastes from processed textile fibres mainly of animal origin				
					04.02.07	wastes from processed textile fibres mainly of artificial or synthetic origin				
					04.02.08	wastes from processed mixed textile fibres				
					04.02.09	wastes from composite materials (impregnated textile, elastomer, plastomer)				
					04.02.11	halogenated wastes from dressing and finishing				
	04.02.12	non-halogenated wastes from dressing and finishing								
15.02	absorbents, filter materials, wiping cloths and protective clothing	15.02.01 P*	absorbents, filter materials, wiping cloths, protective clothing							
20.01	separately collected fractions	20.01.11 P*	textiles							
07.64 Leather waste	04.01	wastes from the leather industry	04.01.08	waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium						
			04.01.09	wastes from dressing and finishing						
			04.01.99	wastes not otherwise specified						
Discarded equipment	08.1 Machines and equipment used in industry and commerce	08.11 Machines and equipment used in industry and commerce excluded electronic equipment	16.02	discarded equipment and shredder residues	16.02.01	transformers and capacitors containing PCB or PCTs	x			
					16.02.03 P*	equipment containing chlorofluorocarbons				
					16.02.04 P*	discarded equipment containing free asbestos				
					16.02.05 P*	other discarded equipment				
					08.12 Data-processing equipment	16.02		discarded equipment and shredder residues	16.02.02 P*	other discarded electronic equipment (e.g. printed circuit boards)
						20.01		separately collected fractions	20.01.24 P*	electronic equipment (e.g. printed circuit boards)
		08.13 Other electronic equipment	09.01	wastes from photographic industry	09.01.09	single-use cameras with batteries				
					09.01.10	single use cameras without batteries				
			16.02	discarded equipment and shredder residues	16.02.02 P*	other discarded electronic equipment (e.g. printed circuit boards)				
			20.01	separately collected fractions	20.01.24 P*	electronic equipment (e.g. printed circuit boards)				



Substance aggregation			EWC				Hazardous according to Decision 94/904/EEC
1. level	2. level	3. level	4-digit		6-digit		hazardous = X
10 Animal and vegetable wastes	10.1 Wastes from the processing of animal or vegetable products	10.11 Wastes from the processing of animal products	02.01	primary production waste	02.01.02	animal tissue waste	
			02.02	wastes from the preparation and processing of meat, fish and other foods of animal origin	02.02.01	sludges from washing and cleaning	
					02.02.02	animal tissue waste	
			04.01	wastes from the leather industry	04.01.01	fleshings and lime split waste	
				04.01.02	liming waste		
		04.02	wastes from textile industry	04.02.10 P*	organic matter from natural products (e.g. grease, wax)		
		10.12 Wastes from the processing of vegetable products	02.01	primary production waste	02.01.01	sludges from washing and cleaning	
					02.01.03	plant tissue waste	
					02.01.99 P*	wastes not otherwise specified	
			02.03	wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee and tobacco preparation, processing, conserve production, tobacco processing	02.03.01	sludges from washing, cleaning, peeling, centrifuging and separation	
				02.03.03 P	wastes from solvent extraction		
				02.03.04	materials unsuitable for consumption or processing		
				02.03.99	wastes not otherwise specified		
				02.04.99	wastes not otherwise specified		
				02.04.99	wastes not otherwise specified		
			02.07	wastes from the production of alcoholic and non-alcoholic beverages (excluding coffee, tea and cocoa)	02.07.01	wastes from washing, cleaning and mechanical reduction of the raw material	
					02.07.02 P*	wastes from spirits distillation	
					02.07.05	sludges from on-site effluent treatment	
			04.02	wastes from textile industry	04.02.10 P*	organic matter from natural products (e.g. grease, wax)	
	10.2 Waste food products	10.20 Waste food products	02.01	primary production waste	02.01.99 P*	wastes not otherwise specified	
			02.02	wastes from the preparation and processing of meat, fish and other foods of animal origin	02.02.03	materials unsuitable for consumption or processing	
					02.02.99 P*	wastes not otherwise specified	
			02.05	wastes from the dairy products industry	02.05.01	materials unsuitable for consumption or processing	
				02.05.99 P	wastes not otherwise specified		
02.06			wastes from the baking and confectionery industry	02.06.01	materials unsuitable for consumption or processing		
02.07			wastes from the production of alcoholic and non-alcoholic beverages (excluding coffee, tea and cocoa)	02.07.04	materials unsuitable for consumption or processing		
20.01		separately collected fractions	20.01.08	organic compostable kitchen waste (including frying oil and kitchen waste from canteens and restaurants)			
			20.01.09	oil and fat			
10.3 Park and garden waste	10.31 Waste of parks and gardens	20.02	garden and park waste (including cemetery waste)	20.02.01	compostable wastes		
	10.32 Tree pruning waste	02.01	primary production waste	02.01.07	waste from forestry exploitation		
11 Mixed ordinary wastes	11.1 Mixed household, kitchen and public waste	11.11 Mixed household and similar wastes	20.03	other municipal waste	20.03.01	mixed municipal waste	
		11.12 Street cleansing waste	19.08	wastes from waste water treatment plants not otherwise specified	19.08.01	screenings	
			20.03	other municipal waste	20.03.02	waste from markets	
			20.03.03	street cleaning residues			
	11.2 Mixed materials	11.21 Mixed non-metallic packing	15.01	packaging	15.01.06	mixed	
		11.22 Other non-metallic mixed wastes	12.02	wastes from mechanical surface treatment processes (blasting, grinding, honing, lapping, polishing)	12.02.01	spent blasting grit	
			18.01	waste from natal care, diagnosis, treatment or prevention of disease in humans	18.01.04 P*	wastes whose collection and disposal is not subject to special requirements in view of the prevention of infection (e.g. dressings, plaster casts, linen, disposable clothing, diapers)	
			18.02	waste from research, diagnosis, treatment or prevention of disease involving animals	18.02.03	wastes whose collection and disposal is not subject to special requirements in view of the prevention of infection	

Substance aggregation			EWC				Hazardous according to Decision 94/904/EEC		
1. level	2. level	3. level	4-digit		6-digit		hazardous: = X		
	11.3 Treatment residues	11.31 Vehicle shredder waste	16.01	end of life vehicles	16.01.05 P*	light fraction from automobile shredding			
		11.32 Other treatment waste	03.03	wastes from pulp, paper and cardboard production and processing	03.03.07	rejects from paper and cardboard recycling			
			16.02	discarded equipment and shredder residues	16.02.08	shredder residues			
			19.05	wastes from aerobic treatment of solid wastes	19.05.01	non-composted fraction of municipal and similar wastes			
				19.05.02	non-composted fraction of animal and vegetable wastes				
				19.05.03	off specification compost				
		19.05.99	wastes not otherwise specified						
		12 Common sludges	12.1 Waste water treatment sludges	12.11 Sludges from treatment of public sewerage water	19.08	wastes from waste water treatment plants not otherwise specified		19.08.05	sludges from treatment of urban waste water
					12.12 Sludges from treatment of other waste water	02.02		wastes from the preparation and processing of meat, fish and other foods of animal origin	02.02.04
				02.03		wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee and tobacco preparation, processing; conserve production; tobacco processing		02.03.05	sludges from on-site effluent treatment
02.04	wastes from sugar processing			02.04.03		sludges from on-site effluent treatment			
02.05	wastes from the dairy products industry			02.05.02		sludges from on-site effluent treatment			
02.06	wastes from the baking and confectionery industry			02.06.03		sludges from on-site effluent treatment			
05.02	Non oily sludges and solid wastes			05.02.02		waste from cooling columns			
				05.02.99		wastes not otherwise specified			
05.06	waste from the pyrolytic treatment of coal			05.06.04		waste from cooling columns			
19.06	wastes from anaerobic treatment of wastes			19.06.01	anaerobic treatment sludges of municipal and similar wastes				
	19.06.02		anaerobic treatment sludges of animal and vegetal wastes						
	19.06.99		wastes not otherwise specified						
19.08	wastes from waste water treatment plants not otherwise specified		19.08.04 P*	sludges from the treatment of industrial waste water					
	19.08.99 P*		wastes not otherwise specified						
12.2 Sludges from purification of drinking water	12.20 Sludges from purification of drinking water		05.02	Non oily sludges and solid wastes	05.02.01	boiler feedwater sludges			
			19.09	wastes from the preparation of drinking water or water for industrial use	19.09.02	sludges from water clarification			
					19.09.99	wastes not otherwise specified			
12.3 Dredging spoils	12.30 Dredging spoils		17.05	soil and dredging spoil	17.05.02	dredging spoil			
12.4 Cesspit contents	12.40 Cesspit contents		20.03	other municipal waste	20.03.04	septic tank sludge			
13 Mineral wastes	13.1 Construction and demolition waste n.q.e.		13.11 Waste Concrete and bricks	10.12	wastes from manufacture of ceramic goods, bricks, tiles and constructions products	10.12.99	wastes not otherwise specified		
		10.13			wastes from manufacture of cement, lime and plaster and articles and products made from them	10.13.03	wastes from other cement-based composite materials		
					10.13.99	wastes not otherwise specified			
		17.01		concrete, bricks, tiles, ceramics, and gypsum based materials	17.01.01	concrete			
				17.01.02	bricks				
				17.01.04	gypsum based construction materials				
				17.01.07	mixed construction and demolition waste				
		17.07	mixed construction and demolition waste	17.07.01	mixed construction and demolition waste				
		13.12 Asbestos waste	06.07	wastes from halogen chemical processes	06.07.01	wastes containing asbestos from electrolysis			
			10.13	wastes from manufacture of cement, lime and plaster and articles and products made from them	10.13.02	wastes from asbestos-cement manufacture			
			16.02	discarded equipment and shredder residues	16.02.04 P*	discarded equipments containing free asbestos			
				16.02.06	wastes from the asbestos processing industry				
			17.01	concrete, bricks, tiles, ceramics, and gypsum based materials	17.01.05	asbestos based construction materials			
		17.06	insulation materials	17.06.01	insulation materials containing asbestos				
		13.13 Waste tarry road surfacing material	17.03	asphalt, tar and tarred products	17.03.01	asphalt containing tar			
17.03.02	asphalt (not containing tar)								
17.03.03	tar and tar products								
13.14 Mixed construction waste	17.06	insulation materials	17.06.02	other insulation materials					



Substance aggregation			EWC				Hazardous according to Decision 94/904/EEC		
1. level	2. level	3. level	4-digit		6-digit		hazardous = X		
	13.2 Waste of naturally occurring minerals	13.21 Gravel and sand wastes	01.01	waste from mineral excavation	01.01.01	waste from mineral metaliferous excavation	X		
					01.01.02	waste from mineral non-metaliferous excavation			
			01.02	waste from mineral dressing	01.02.01	waste from the dressing of metaliferous minerals			
					01.02.02	waste from the dressing of non-metaliferous minerals			
			01.03	waste from further physical and chemical processing of metaliferous minerals	01.03.01	tailings			
					01.03.02	dusty and powdery waste			
					01.03.99	wastes not otherwise specified			
			01.04	waste from further physical and chemical processing of non metaliferous minerals	01.04.01	waste gravel and crushed rocks			
					01.04.02	waste sand and clays			
					01.04.03	dusty and powdery waste			
					01.04.05	waste from washing and cleaning of minerals			
					01.04.06	waste from stone cutting and sawing			
					01.04.99	wastes not otherwise specified			
			02.04	wastes from sugar processing	02.04.01	soil from cleaning and washing beet			
			10.11	wastes from manufacture of glass and glass products	10.11.01	waste preparation mixture before thermal processing			
			10.12	wastes from manufacture of ceramic goods, bricks, tiles and constructions products	10.12.01	waste preparation mixture before thermal processing			
			10.13	wastes from manufacture of cement, lime and plaster and articles and products made from them	10.13.01	waste preparation mixture before thermal processing			
			17.05	soil and dredging spoil	17.05.01	soil and stones			
			19.09	wastes from the preparation of drinking water or water for industrial use	19.09.01	solid wastes from primary filtration and screening			
			20.02	garden and park waste (including cemetery waste)	20.02.02	soil and stones			
					20.02.03	other non-compostable wastes			
				13.22 Mineral sludges	01.03	waste from further physical and chemical processing of metaliferous minerals		01.03.03	red mud from alumina production
					01.05	drilling muds and other drilling wastes		01.05.04	fresh-water drilling muds and wastes
					08.02	wastes from MFSU of other coating (including ceramic materials)		08.02.02	aqueous sludges containing ceramic materials
					10.01	wastes from power station and other combustion plants (except 19 00 00)		10.01.11	aqueous sludges from boiler cleansing
					10.02	wastes from the iron and steel industry		10.02.05	other sludges
					19.01	wastes from incineration or pyrolysis of municipal and similar commercial, industrial and institutional wastes		19.01.99	wastes not otherwise specified
		19.08	wastes from waste water treatment plants not otherwise specified		19.08.02	wastes from desanding			
		13.31 Residues of industrial flue gas scrubbing	10.01		wastes from power station and other combustion plants (except 19 00 00)	10.01.05		calcium based reaction wastes from flue gas desulphurisation in solid form	
					10.01.06	other solid wastes from gas treatment			
					10.01.07	calcium based reaction wastes from flue gas desulphurisation in sludge form			
					10.01.08	other sludges from gas treatment			
				10.02	wastes from the iron and steel industry	10.02.03		solid wastes from gas treatment	
					10.02.04	sludges from gas treatment			
				10.03	wastes from aluminium thermal metallurgy	10.03.11		flue gas dust	
					10.03.13	solid waste from gas treatment			
					10.03.14	sludges from gas treatment			
				10.04	wastes from lead thermal metallurgy	10.04.04		flue gas dust	
					10.04.06	solid waste from gas treatment			
					10.04.07	sludges from gas treatment			
				10.05	wastes from zinc thermal metallurgy	10.05.03		flue gas dust	
					10.05.05	solid waste from gas treatment			
					10.05.06	sludges from gas treatment			
				10.06	wastes from copper thermal metallurgy	10.06.03		flue gas dust	
				10.06.06	solid waste from gas treatment				
				10.06.07	sludges from gas treatment				
			10.07	wastes from silver, gold and platinum thermal metallurgy	10.07.03	solid waste from gas treatment			
				10.07.05	sludges from gas treatment				
			10.08	wastes from other non-ferrous thermal metallurgy	10.08.03	flue gas dust			
				10.08.05	solid waste from gas treatment				
				10.08.06	sludges from gas treatment				
			10.11	wastes from manufacture of glass and glass products	10.11.04	flue gas dust			
				10.11.06	solid waste from gas treatment				
			10.11.07	sludges from gas treatment					
		10.12	wastes from manufacture of ceramic goods, bricks, tiles and constructions products	10.12.02	flue gas dust				
			10.12.05	sludges from gas treatment					
		10.13	wastes from manufacture of cement, lime and plaster and articles and products made from them	10.13.05	solid waste from gas treatment				
			10.13.07	sludges from gas treatment					

Substance aggregation			EWC				Hazardous according to Decision 94/904/EEC
1. level	2. level	3. level	4-digit		6-digit		hazardous = X
			19 01	wastes from incineration or pyrolysis of municipal and similar commercial, industrial and institutional wastes	19 01 06	aqueous liquid waste from gas treatment and other aqueous liquid wastes	x
					19 01 07	solid waste from gas treatment	x
			19 04	vitrified wastes and wastes from vitrification	19 04 02	fly ash and other flue gas treatment wastes	x
		13.32	06 09	wastes from phosphorus chemical processes	06 09 02	phosphorous slag	
			10 01	wastes from power station and other combustion plants (except 19 00 00)	10 01 01	bottom ash	
					10 01 02	coal fly ash	
					10 01 03	peat fly ash	
					10 01 04	oil fly ash	
			10 03	wastes from aluminium thermal metallurgy	10 03 03	skimmings	x
					10 03 04	primary smelting slags/white drosses	x
					10 03 09	black drosses from secondary smelting	
					10 03 12	other particulates and dust (including ball mill dust)	
					10 03 99	wastes not otherwise specified	
			10 04	wastes from lead thermal metallurgy	10 04 01	slags (first and second smelting)	x
					10 04 02	dross and skimmings (first and second smelting)	x
					10 04 03	calcium arsenate	x
					10 04 05	other particulates and dust	x
			10 05	wastes from zinc thermal metallurgy	10 05 01	slags (first and second smelting)	x
					10 05 02	dross and skimmings (first and second smelting)	x
					10 05 04	other particulates and dust	
			10 06	wastes from copper thermal metallurgy	10 06 01	slags (first and second smelting)	
					10 06 02	dross and skimmings (first and second smelting)	
					10 06 04	other particulates and dust	
			10 07	wastes from silver, gold and platinum thermal metallurgy	10 07 01	slags (first and second smelting)	
					10 07 02	dross and skimmings (first and second smelting)	
					10 07 04	other particulates and dust	
			10 08	wastes from other non-ferrous thermal metallurgy	10 08 01	slags (first and second smelting)	
					10 08 02	dross and skimmings (first and second smelting)	
					10 08 04	other particulates and dust	
			10 09	wastes from casting of ferrous pieces	10 09 04	furnace dust	
			10 10	wastes from casting of non-ferrous pieces	10 10 04	furnace dust	
			10 11	wastes from manufacture of glass and glass products	10 11 05	other particulates and dust	
			10 12	wastes from manufacture of ceramic goods, bricks, tiles and constructions products	10 12 03	other particulates and dust	
					10 12 04	solid waste from gas treatment	
			10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them	10 13 06	other particulates and dust	
			19 01	wastes from incineration or pyrolysis of municipal and similar commercial, industrial and institutional wastes	19 01 01	bottom ash and slag	
					19 01 03	fly ash	x
					19 01 04	boiler dust	x
					19 01 08	pyrolysis wastes	
		13.33	06 09	wastes from incineration or pyrolysis of municipal and similar commercial, industrial and institutional wastes	19 01 02 P	ferrous materials removed from bottom ash	
	13.4	13.41	02 01	primary production waste	02 01 99 P	wastes not otherwise specified	
			02 04	wastes from sugar processing	02 04 02	off specification calcium carbonate	
			02 07	wastes from the production of alcoholic and non-alcoholic beverages (excluding coffee, tea and cocoa)	02 07 02 P	wastes from spirits distillation	
			06 09	wastes from phosphorus chemical processes	06 09 01	phosphogypsum	
			06 11	wastes from the manufacturing of inorganic pigments and opacifiers	06 11 01	gypsum from titanium dioxide production	
			10 02	wastes from the iron and steel industry	10 02 01	waste from the processing of slag	
					10 02 02	unprocessed slag	
					10 02 99	wastes not otherwise specified	
			10 03	wastes from aluminium thermal metallurgy	10 03 05	alumina dust	
			10 04	wastes from lead thermal metallurgy	10 04 99	wastes not otherwise specified	
			10 05	wastes from zinc thermal metallurgy	10 05 99	wastes not otherwise specified	
			10 06	wastes from copper thermal metallurgy	10 06 99	wastes not otherwise specified	
			10 09	wastes from casting of ferrous pieces	10 09 03	furnace slag	
			10 10	wastes from casting of non-ferrous pieces	10 10 03	furnace slag	
			10 11	wastes from manufacture of glass and glass products	10 11 03	waste glass-based fibrous materials	
					10 11 99	wastes not otherwise specified	
			10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them	10 13 04	waste from calcination and hydration of lime	
			17 01	concrete, bricks, tiles ceramics, and gypsum based materials	17 01 03	tiles and ceramics	

Substance aggregation			EWC				Hazardous according to Decision 94/904/EEC
1. level	2. level	3. level	4-digit		6-digit		hazardous := X
		13.42 Wastes refractory materials	10.01	wastes from power station and other combustion plants (except 19 00 00)	10.01.12	spent linings and refractories	X
			10.02	wastes from the iron and steel industry	10.02.06	spent linings and refractories	
			10.03	wastes from aluminium thermal metallurgy	10.03.07	spent pot linings	
			10.04	wastes from lead thermal metallurgy	10.04.08	spent linings and refractories	
			10.05	wastes from zinc thermal metallurgy	10.05.07	spent linings and refractories	
			10.06	wastes from copper thermal metallurgy	10.06.08	spent linings and refractories	
			10.07	wastes from silver, gold and platinum thermal metallurgy	10.07.06	spent linings and refractories	
			10.08	wastes from other non-ferrous thermal metallurgy	10.08.07	spent linings and refractories	
			10.09	wastes from casting of ferrous pieces	10.09.01	casting cores and moulds containing organic binders which have not undergone pouring	
					10.09.02	casting cores and moulds containing organic binders which have undergone pouring	
					10.09.99	wastes not otherwise specified	
			10.10	wastes from casting of non-ferrous pieces	10.10.01	casting cores and moulds containing organic binders which have not undergone pouring	
					10.10.02	casting cores and moulds containing organic binders which have undergone pouring	
			10.11	wastes from manufacture of glass and glass products	10.11.08	spent linings and refractories	
		10.12	wastes from manufacture of ceramic goods, bricks, tiles and constructions products	10.12.07	spent linings and refractories		
		10.13	wastes from manufacture of cement, lime and plaster and articles and products made from them	10.13.08	spent linings and refractories		
14 Solidified and vitrified wastes	14.1 Solidified wastes	14.10 Solidified wastes	19.03	stabilized/solidified wastes	19.03.01	wastes stabilized/solidified with hydraulic binders	
					19.03.02	wastes stabilized/solidified with organic binders	
					19.03.03	wastes stabilized by biological treatment	
	14.2 Vitrified wastes	14.20 Vitrified wastes	19.04	vitrified wastes and wastes from vitrification	19.04.01	vitrified wastes	

## FINANCIAL STATEMENT

### 1. Title of operation

Draft Council Regulation on Waste Management Statistics concerning waste generation, recovery of separately collected fractions of waste, waste collection and treatment.

### 2. Budget heading involved

B4-3 0 4 or B5-6 0 0

### 3. Legal basis

Article 213 of the Treaty establishing the European Community

### 4. Description of operation

#### 4.1 General objective

The general objective of the Council Regulation is to establish a Community statistical infrastructure on waste generation, recovery, waste collection and incineration, composting and final disposal in the Member States. This infrastructure will include the information on transboundary flows.

#### 4.2 Period covered and arrangements for renewal

From the point of data collection periodicity, waste management statistics consists out of two parts:

(A) The data collection on waste incineration, composting and final disposal will be done yearly, starting in 2000 for the reference year 1999.

(B) Statistics on waste generation, recovery and waste collection of mixed household and separately collected fractions will be produced tri-annually, starting in 2001 for the reference year 1999.

### 5. Classification of expenditure or revenue

#### 5.1 Non-compulsory expenditure

#### 5.2 Differentiated appropriations

#### 5.3 Type of revenue involved

Sale of publications

## 6. Type of expenditure or revenue

Community contribution to the collection and preparation of data. The Community contribution can cover only a small part of costs for surveys, utilization of administrative data and development of software tools.

## 7. Financial impact

### 7.1 Method of calculating total cost of operation (relation between individual and total costs)

Costs will arise at the level of three different types of institutions: for businesses for giving information, for statistical offices in the Member States for collecting, preparing and reporting data (on national level and for the Commission) and for Eurostat for data preparation and reporting at European level.

#### Calculation of total cost of operation:

The following activities in the Member States are necessary for the implementation:

- Utilization of administrative sources and development of waste information system;
- Survey on waste generation and collection (possibly);
- Survey on waste treatment (possibly);
- Informatic hardware; and
- Processing of data and development of software tools.

Under the assumption that the first reference year for data collection under the Regulation will be 1999, Eurostat will support the necessary activities in the Member States as specified in the table below. The support takes into consideration the sequence of data reporting foreseen (annually for waste treatment and tri-annually for waste generation and collection).

#### Eurostat's costs:

For the development of the waste statistic system (including development of software, procedures for data validation and analysis, routinization of data exchange, methodological help to Member States, etc.) Eurostat requires 250 kECU in 1999 and 100 kECU for each of the following two years.

## 7.2 Itemised breakdown of cost

### Commitment appropriations ECU million (at current prices)

Breakdown	year 1999	2000	2001	2002	2003	2004 and subs. yrs.	Total (1999- 2004)
Eurostat's costs for the development of the waste statistic system (including development of software, procedures for data validation and analysis, routinization of data exchange, methodological help to Member States, etc.)	0.25	0.1	0.1	0.0	0.0	0.0	0.45
<b>Total</b>	<b>0.25</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.45</b>

## 7.3 Schedule of commitment and payment appropriations

### ECU million

	year 1999	2000	2001	2002	2003	2004 and subs. yrs.	Total
Commitment appropriations	0.25	0.1	0.1	0.0	0.0	0.0	0.45
Payment appropriations							
Year 1999	0.20	0.0	0.0	0.0	0.0	0.0	0.20
2000	0.05	0.05	0.0	0.0	0.0	0.0	0.1
2001	0.0	0.05	0.05	0.0	0.0	0.0	0.1
2002	0.0	0.0	0.05	0.0	0.0	0.0	0.05
2003	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2004 and subs. yrs.	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>0.25</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.45</b>

## 8. Fraud prevention measures

- Community contributions will be paid on the basis of contracts and agreements concluded by the Commission, and payments will be made on the basis of progress reports and after transmission and validation of the survey results
- Statistics are regarded as an objective instrument for evaluating and monitoring Community action programmes in statistical terms, and hence reinforce the anti-fraud measures.

## **9. Elements of cost-effectiveness analysis**

### **9.1 Specific and quantified objectives; target population**

#### Objectives

The main objective of the Draft Regulation on Waste Management Statistics is to establish a harmonized information system on waste generation, recovery, collection, treatment and disposal in the EU. This system will provide data for the monitoring of the EU policy on waste management. In particular, it will be possible to detect in detail the generated waste types together with the economic actors responsible for the generation and the destination of these wastes. Disparities between countries regarding different relative waste amounts will permit the formulation of concrete national waste policy aims to ensure basic environmental conditions in all Member States and to fulfil the EU objectives.

#### Target population and beneficiaries:

Community Institutions: Council, European Parliament, Commission etc.;

Member States;

General public (businesses, science, associations etc.)

### **9.2 Grounds for the operation**

European waste management statistics, based today on a very broad voluntary survey and on some reporting obligations in relation to specific waste topics (e.g. used oils) is completely insufficient for delivering usable information to improve waste management. Without a legal basis the most important obstacles for achieving comparable waste management data cannot be surmounted.

These obstacles are a result, above all, of differences regarding structure and development of waste management in Member States (as well as from the use of different waste category lists for waste management statistics in the European Union). The differences are a consequence of two factors: "natural" disparities (urban and non-urban areas, highly industrialized and more agricultural areas) and political decisions (highly centralized waste management on regional or national level versus local waste management)

### **9.3 Monitoring and evaluation of the operation**

The implementation of the regulation will be monitored in the context of Regulation (EC) No 322/97 on Community statistics and will follow the procedures therein.

The draft Regulation stipulates that Member States have to deliver regularly waste data according to certain formats and quality conditions. Finally, Eurostat has to submit a tri-annual report to the Council on the implementation of the Regulation.

**10. Administrative expenditure (Section III, Part A of the budget)**

Actual mobilization of the necessary administrative resources will depend on the Commission's annual decision on the allocation of resources, taking into account the number of staff and additional amounts authorized by the budgetary authority.

**10.1 Effect on the number of posts**

Type of post		Staff to be assigned to managing the operation		Source		Duration
		<u>Permanent posts</u>	<u>Temporary posts</u>	Existing resources in the DG or department concerned	Additional resources	
Officials or temporary staff	A	1	-	1	-	permanent
	B	1	-		1	
	C	-	-			
Other resources		1	-	1 (consultant)		
Total		3	-	2	1	

**10.2 Overall financial impact of human resources**

	ECU per year	
	Amounts	Method of calculation
Officials	216 000	2 x 108 000
Temporary staff		
Other resources (indicate budget heading)	78 000	12 months x 6 500
Total	294.000	

**10.3 Increase in other administrative expenditure as a result of the operation**

Budget heading	ECU	
	Amounts	Method of calculation
Total	0	

Note: Since the Regulation is part of the broader programme on environment statistics and the general statistical programme itself, travel and meeting expenses incurred are estimated to be very small and coverage through existing resources is possible.



# IMPACT ASSESSMENT FORM

## THE IMPACT OF THE PROPOSAL ON BUSINESS with special reference to small and medium sized enterprises (SMEs)

Title of the proposal: DRAFT COUNCIL REGULATION ON WASTE MANAGEMENT STATISTICS

Document reference number: 98015

### The proposal

**1. Taking account of the principle of subsidiarity, why is Community legislation necessary in this area and what are its main aims?**

In order to carry out its tasks in the field of waste management defined in the Fifth Environmental Action Programme and the subsequent Directives and Regulations, the Commission needs to have comparable information on waste produced, waste recovered/recycled and finally disposed.

The statistical information available in the Member States is completely inadequate for the evaluation of the situation of waste management in most of the Member States and also for comparisons between Member States due to the inconsistencies in definitions and classifications.

Most of the Member States are still in the situation that they have to build up waste control and information systems due to national and European legislation. For this reason it is urgent to promote at European level a clear definition of the information necessary in order to avoid the establishment of information systems producing non-comparable data.

### The impact on business

**2. Who will be affected by the proposal?**

- which sectors of business

Three different data sets will be requested by waste management statistics. These data sets are laid down in ANNEXES 1, 2 and 3 of the draft Regulation and refer to different coverage of business sectors. This coverage are explained for each Annex as follows:

- The business coverage for the topic "waste treatment and disposal" (annual reporting; reference year 1999) includes all economic activities in which basic waste treatment facilities (waste incineration, composting, sorting and landfilling) are operated either as the main or as a secondary activity. As sufficient information on these treatment operations is already collected or will have to be collected in the near future by supervising authorities either according to

EU Directives or according to additional national Regulations there will be no additional burden on businesses. The information necessary for this topic can be collected totally via administrative sources.

- The business coverage for the topic “waste collection” (tri-annually reporting; reference year 1999) is restricted to the economic activities “Transport” (Section I of NACE REV.1), “Wholesale of waste and scrap” (Class 51.57) and “Sewage and refuse disposal” (Division 90). This topic concerns before all the activities in waste collection carried out by municipalities, not by businesses. Businesses will only be questioned in so far as they are collecting separated or sorted fractions of waste. Data on these fractions are also requested to a large extent by EU Regulations and will therefore impose only a small additional burden.
- The business coverage for the topic “waste generation and recovery” (tri-annually reporting; reference year 1999) is the whole economy except agriculture, hunting, fishery, forestry and mining of uranium and thorium ores. But a survey has to be carried out with one exception only for the industry and manufacturing part (Section C to F of NACE REV.1) of the economy. For the other sectors (G-Q), according to Section 6, paragraph 2, of ANNEX 1, the data should either be estimated via the data collection resulting from ANNEX 2 or gathered by using administrative sources. Only for “hospital activities” (Class 85.11) it is impossible to avoid a survey because it cannot be assumed that wastes from these activities are completely inside the collection scheme and therefore subject to ANNEX 2. A survey on hospital activities does not include SMEs and will therefore not put any burden on them.

In general it can be stated that it is principally administrations (municipalities, environmental protection agencies, waste control authorities,...) which are affected by the data collection activity connected to the draft Regulation on waste management statistics. That means data have to be collected first of all either from administrations acting in the field of waste collection and treatment or from environmental control authorities.

- which sizes of business (what is the concentration of small and medium sized firms)

As the draft Regulation on Waste Management Statistics does not request any data breakdown by employment or other size classes there will be no necessity to cover all sizes of businesses. In general the necessary data should be collected, if no administrative sources are available, at large enterprises. The waste generation of the SMEs can then be estimated under the assumption that the waste amounts are related to employment.

As stated under the previous heading there is no obligation to include SMEs in any compulsory survey to collect data on waste. On the contrary, the aim should be to reach the coverage criteria of 90% for each necessary survey first by including the large enterprises and then the medium and small enterprises. The very small enterprises (less than 10 employees) are according to Article 4, paragraph 2, of the proposal excluded from obligatory surveys even if the coverage criteria has not been reached.

The instrument "coverage criteria" has been introduced in the draft Regulation to reduce the burden on businesses (responding to questionnaires) and to allow the National Statistical Institutes (NSIs) to act in a flexible and cost-efficient way.

- are there particular geographical areas of the Community where these businesses are found

For waste collection and waste treatment and disposal some data have to be produced at NUTS 1 and 2 level. The data to be produced yearly on regional level are already requested from the Commission. It concerns the facilities which are treating and disposing of hazardous and non-hazardous wastes according to the Directive 91/689/EEC<sup>14</sup> on hazardous waste and Directive 75/442/EEC on waste, as amended by Directive 91/156/EEC<sup>15</sup>.

### **3. What will business have to do to comply with the proposal?**

Businesses selected for the sample surveys in a specific year will be asked to give accurate and complete information concerning waste generation, taking over of waste from outside, internal waste treatment, destination of waste and waste collection and transport. For this purpose questionnaires will be sent to them every three years by the responsible national authorities, which are to be completed and returned by a given deadline. The national statistical offices will prepare the data from survey data and other sources for delivery to Eurostat.

As the Regulation on waste management statistics aims to harmonise waste reporting in general and also focuses before all on existing administrative information, the involvement of businesses is not necessary for the data requests according to Annex 3 and most of Annex 2.

### **4. What economic effect is the proposal likely to have?**

A priority aim of the proposal is to deliver information on waste amounts produced by waste types, and information on waste recovery and recycling by corresponding waste types and waste management facilities. This information will give a coherent overview of the existing waste management and the potentialities, which are now nearly hidden. The information will help in opening waste markets with an increased transparency and is therefore highly favourable for economic development. Positive effects are also expected from the availability of economic data on the turnover of branches, the costs of waste management in these branches and the respective amounts of wastes generated and treated. Coherent information from structural business statistics and from waste statistics will make it possible, to increase the efficiency of production and waste management.

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<sup>14</sup> OJ L 377, 31.12.1991, p. 20.

<sup>15</sup> OJ L 78, 26.3.1991, p. 32.

**5. Does the proposal contain measures to take account of the specific situation of small and medium-sized firms?**

According to Article 4, paragraph 2, of the proposal, enterprises with less than 10 employees must be excluded from compulsory surveys necessary to fulfil the reporting requirements. If the minimum coverage of 90% cannot be reached without the inclusion of very small enterprises (less than 10 employees) then the coverage has to be reduced accordingly.

Furthermore the proposed Regulation is constructed to ensure that firstly administrative data should be used for waste statistics.

Consultation

**6. List of organisations, which have been consulted about the proposal and outline of their main view**

For several years the proposal for the Regulation has been discussed in the "Sub-Group on Waste Statistics" with the national Statistical Institutes and developed according to their advice and comments.

One of the main subjects of the discussion in the "Sub-Group" was the burden on business. The final proposal reduces the burden to an acceptable level for business and the statistical offices.

The proposal was presented at the SPC and was positively received.

The proposal has the support of DG XI. The European Environment Agency (EEA) and the European Topic Centre on Waste (ETC/W) established by the EEA were also consulted and are in favour of the proposal.

The proposal for a Regulation was presented several times to the regular FEBI-FEBS-EUROSTAT meeting on statistical information. The initiative to harmonise waste management statistics was appreciated. General concern was expressed towards practicability and handling of the European Waste Catalogue (EWC) by businesses. In close co-operation with DG XI a substance-oriented aggregation of EWC was established and integrated in the proposal.

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