Amended proposal for a

REGULATION OF THE EUROPEAN PARLIAMENT
AND OF THE COUNCIL

on waste statistics

(presented by the Commission pursuant to Article 250 (2)
of the EC-Treaty)
EXPLANATORY MEMORANDUM

On 27 January 1999, the Commission adopted its proposal for a “Draft Council Regulation on Waste Management Statistics.”¹ On 22 September 1999, the Economic and Social Committee delivered a favourable opinion on the proposal.² Between June 1999 and September 2000, a Council Working Party discussed this text on five separate occasions. In the last of these meetings (held on 29 September 2000), the participants in the Working Party reached a broad consensus on the amendments made to the Commission proposal, as reflected in its “Draft proposal for a Regulation of the European Parliament and of the Council relating to statistics on waste.” [hereinafter “Working Party’s consensus draft”].³ The amendments proposed by the Council Working Party focus mainly on the reduction of data requirements and the provision of greater flexibility in data reporting for Member States, which either improve the original proposal or are at least deemed acceptable to the Commission.

In view of the nature and number of the amendments, the level of consensus reached by the Council Working Party, and in order to facilitate the codecision procedure, it is appropriate that the Commission submit a revised proposal for the Regulation. Accordingly, the present document constitutes the Commission’s revised proposal, which would replace the original proposal. The revised proposal maintains the logic of the original proposal. Moreover, the revised proposal is almost identical to the Working Party’s consensus draft. The only significant difference between the two is the periodicity of data collection for waste treatment, as discussed below.

Specifically, the revised proposal differs from the original proposal, and from the Working Party’s consensus draft, in the following respects:

1. **PERIODICITY**

   The Commission’s revised proposal maintains a periodicity of one year for a part of the new Annex II (the annex covers recovery and disposal of waste). In particular, information is to be obtained from specialist waste disposal and incineration operators on an annual basis, and information on non-specialized recovery and disposal facilities on a three-year basis. A set of annual data on waste disposal and incineration is indispensable for establishing and evaluating waste policy, and for capacity planning of waste treatment facilities. Adequate and timely measures of waste treatment policies will not be possible if information is provided only once every three years, as proposed in the Working Party’s consensus draft. Incorrect or insufficient measures in this field could lead to unnecessarily high costs through sub-optimal investments.

   With respect to this provision, the revised proposal is more restrictive than the position taken by the Commission in its reservation in the Working Party’s consensus draft, as it focuses only on waste management facilities for annual data collection. This will provide core waste treatment data for regular policy evaluation and policy measures. And at the same time allow Member States to limit annual surveys to a small group of specialised enterprises. By using sampling procedures, administrative or other sources for obtaining the information, it will be

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¹ OJ C 87, 29.3.1999, p. 22.
² OJ C 329, 17.11.1999, p. 17
³ Council of the European Union, 9868/2/00/Rev2, ECO179/ENV213/CODEC497, 11 October 2000
possible for Member States to produce the statistics at low cost and with limited response burden.

2. **STRUCTURE OF THE ANNEXES**

The revised proposal accepts the modification to the structure of the annexes suggested by the Working Party’s consensus draft. Accordingly, the revised proposal contains three annexes:

Annex I: Generation of waste;

Annex II: Recovery and Disposal of waste; and

Annex III: Transposition table between the European Waste Catalogue (EWC) and the ‘EWC-stat V2’ (which defines the waste categories to be used in the Community statistics on waste).

Annex I now covers only the generation of waste, by waste category and by economic activity, households included (2 dimensional matrix: ‘waste categories’ X ‘economic activity’). In contrast, the original proposal also called for data on the method of recovery from the generated amount of waste (3 dimensional matrix: ‘waste categories’ X ‘economic activity’ X ‘recovery operation’). The link between the economic activity of the waste generator and the waste recovery method is lost through this simplification. However, it was concluded from the discussions in the Council Working Party that the data requests were too burdensome. The Commission has therefore accepted the simplification, even though the possibility to track waste streams through the economy may be weakened.

The separate annex on the Collection of Municipal Waste was merged with Annex I in the Working Party’s consensus draft, which has been adopted in the revised proposal. The data requirements are, however, mainly incorporated in Annex I (Generation of waste by households and similar waste by economic activity) and partially in Annex II (Recovery and Disposal of Waste).

Annex II of the revised proposal also includes the recovery operations previously included in Annex I. However, Internal Recycling (‘recycling of waste on the site where the waste was generated’) has been deleted, thereby further simplifying data collection requirements.

3. **PILOT STUDIES**

The Commission has accepted the Working Party’s consensus draft’s transfer of some areas from obligatory reporting to pilot studies. These areas are:

Import and export of waste (Article 5);

Packaging waste (Annex I, Section 2, Paragraph 4); and

Preparatory operations prior to treatment of waste (Annex II, Section 8, Paragraph 3).

For these areas, Member States can, on a voluntary basis, participate in pilot studies, to be financed by the Commission, to assess the relevance and feasibility of obtaining data. The
studies should take into account reporting obligations under relevant legislation. The results of these pilot studies may lead to subsequent proposals to amend the Regulation.

4. INCREASED ‘FLEXIBILITY’

With respect to Annexes I and II, the revised proposal accepts the text of the Working Party’s consensus draft to the effect that not all the cells in the matrixes must be filled with data. Article 3(3) of the revised proposal states: “given that economic structures and technical conditions relating to waste management schemes differ in Member States, a decision by an individual Member State not to report certain items in the breakdown may be accepted . . .” The Commission has accepted this change, recognizing that it allows a flexible approach; at the same time, however, it recognizes that there is a risk of incomplete data sets. Rules for interpretation of this provision are covered by the implementation measures in Article 6.

Further flexibility is introduced in Annex I, Section 8(2) and Annex II, Section 8(4) of the revised proposal, which allows Member States the freedom of choice with respect to two statistical units: Local Unit, or KAU.

5. OTHER SUBSTANTIVE AMENDMENTS

Further amendments made by the Council, which are included in the Commission’s revised proposal, are the following:

Legal basis: In the first “Having Regard” clause, the legal basis for the proposal has been changed from Art. 213 to Art. 285, in accordance with the requirements of the Amsterdam Treaty;

Comitology: In Article 7, the Management procedure has been replaced by the Regulatory procedure; moreover, a provision has been added that the Committee for the Adaptation to Scientific and Technical Progress of EC Legislation (TAC) will be informed about implementation measures.

SME: In Article 3(2), enterprises with less than 10 employees have been excluded from coverage, unless they contribute significantly to the total waste generated.

Amended proposal for a

REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

on waste statistics

(Text with EEA relevance)

THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION,

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

Having regard to the proposal from the Commission\(^5\),

Having regard to the opinion of the Economic and Social Committee\(^6\),

Acting in accordance with the procedure laid down in Article 251 of the Treaty,

Whereas:

(1) regular Community statistics on the production and management of waste from businesses and private households are required by the Community for monitoring the implementation of the three principles - waste prevention, maximisation of recovery and safe disposal - for waste policy;

(2) the terms for the description of waste and waste management need to be defined in order to ensure the comparability of results in waste statistics;

(3) waste 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 generation, collection, recovery and disposal;

(4) Council Regulation (EC) 322/97 of 17 February 1997 on Community Statistics\(^7\) constitutes the reference framework for the provisions of this Regulation;

(5) to guarantee comparable results, waste statistics should be produced in accordance with the determined breakdown, in an appropriate form and within a fixed period of time from the end of the reference year;

(6) in accordance with the principles of subsidiarity and proportionality as set out in Article 5 of the Treaty, the objectives of the proposed measure, namely to establish a framework for the production of Community statistics on waste cannot be sufficiently

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\(^5\) OJ C 87, 29.3.1999, p. 22.
\(^6\) OJ C 329, 17.11.1999, p. 17.
\(^7\) OJ L 52, 22.2.1997, p. 1
achieved by the Member States, by reason of the need to define terms of description of waste and waste management so as to ensure the comparability of the statistics supplied by the Member States, and can therefore be better achieved 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;

(7) Member States may need a transition period for the adaptation or establishment of their statistics on waste;

(8) the measures necessary for the implementation of this Regulation are measures of general scope within the meaning of Article 2 of Council Decision 1999/468/EC of June 28 1999 laying down the procedures for the exercise if implementing powers conferred on the Commission, they should be adopted by use of the regulatory procedure provided for in Article 5 of that Decision;

(9) the Statistical Programme Committee has been consulted by the Commission;

HAVE ADOPTED THIS REGULATION:

Article 1

Objectives

1. The objective of this Regulation is to establish a framework for the production of Community statistics on the generation, recovery and disposal of waste.

2. Member States and the Commission, within their respective fields of competence, shall produce Community statistics on the generation, recovery and disposal of waste, excluding radioactive waste, which is already covered by other legislation.

3. The statistics shall cover the following areas:

(a) Generation of waste according to Annex I;

(b) Recovery and disposal of waste according to Annex II;

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 and the substance-oriented aggregation, as set out in Annex III to this Regulation.

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8 OJ L 184 17.7.1999, p. 23
9 OJ L 5, 7.1.1994, p. 15
Article 2

Definitions

1. For the purpose of this regulation:

(a) “Waste” shall mean any substance or object as defined in Article 1 (a) of Council Directive 75/442/EEC\(^1\) as amended;

(b) “Separately collected fractions of waste” shall mean household and similar waste selectively collected in homogeneous fractions by public services, non-profit organisations and private enterprises acting in the field of organised waste collection;

(c) “Recycling” shall refer to the definition given in Art. 3(7) of Council Directive 94/62/EC; \(^1\)

(d) “Recovery” shall mean any of the operations provided for in Annex II.B to Directive 75/442/EEC as amended \(^12\)

(e) “Disposal” shall mean any of the operations provided for in Annex II.A to Directive 75/442/EEC as amended; \(^13\)

(f) “Recovery or disposal facility” shall mean a facility that requires a permit or registration pursuant to article 9,10, or 11 of Council Directive 75/442/EC;

(g) “Hazardous waste” shall mean any waste as defined in Article 1 (4) of Council Directive 91/689/EEC; \(^14\)

(h) “Non-hazardous waste” shall mean waste which is not covered by point (g);

(i) “Landfill” shall mean a waste disposal site as defined in Article 2 (g) of Council Directive 1999/31/EC; \(^15\)

(j) “Capacity of waste incineration facilities” shall mean the maximum capacity to incinerate waste in tonnes per annum, or in gigajoules;

(k) “Capacity of waste recycling facilities” shall mean the maximum capacity to recycle waste in tonnes per annum;

(l) “Capacity of landfills” shall mean the remaining capacity (at the end of the data reference year) of the landfill facility to dispose of waste in the future measured in cubic meters.

\(^1\) OJ L 194, 25.7.1975, p. 39
\(^12\) OJ L 135, 6.6.1996, p. 32
\(^13\) OJ L 135, 6.6.1996, p. 32
\(^15\) OJ L 182, 16.7.1999, p. 1
(m) “Capacity of other disposal facilities” shall mean the capacity of the facility to dispose of waste measured in tonnes per annum.

Article 3

Collection of data

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 and II by means of:

– surveys;
– administrative or other sources;
– statistical estimation procedures; or
– a combination of these means.

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

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

3. Member States shall produce statistical results, following the breakdown stipulated in Annexes I and II. Given that economic structures and technical conditions relating to waste management schemes differ in the Member States, a decision by an individual Member State not to report certain items in the breakdown may be accepted, provided it is justified in the quality reports mentioned in Annex I and II. In all cases, the total amount of waste for each item listed in sections 2(3) and 8(1) of Annex I shall be compiled.

4. The exclusions referred to in paragraphs (2) and (3) must be consistent with the coverage and quality objectives as referred to in Section 7, paragraph 1, of Annexes I and II.

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

* In accordance with the subsidiarity principle, the question whether such surveys are to be compulsory or not is to be decided by the Member States.
6. The treatment of confidential data and the transmission of such data as provided for in Article 3 (5) shall be carried out in accordance with the existing Community provisions governing statistical confidentiality.

Article 4

Transitional period

1. During a transitional period, which may not exceed two years, the Commission may at the request of the Member States and in accordance with the procedure set out in Article 7, grant a derogation from the provisions of Section 5 of Annex I and II, wherever the national statistical systems require major adaptations.

2. This derogation can be granted only for the data of the first reference year.

Article 5

Import and Export of Waste

1. The Commission will draw up a programme for pilot studies to be carried out on a voluntary basis by Member States on the Import and Export of waste. The pilot studies will aim to assess the relevance and feasibility of obtaining data, and to evaluate the costs and benefits of collecting the data, and the burden on business.

2. The Commission programme for pilot studies must be consistent with the contents of Annexes I and II, particularly the aspects related to the scope and coverage of wastes, waste categories for the classification of waste, reference years and periodicity taking into account the reporting obligations under Council Regulation 259/93.\textsuperscript{16}

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

4. On the basis of the conclusions of these pilot studies, the Commission will inform the European Parliament and the Council of the possibilities of compiling statistics for the activities and characteristics covered by the pilot studies for import and export of waste. The Commission may make a recommendation for a new Annex.

5. The pilot studies should be conducted within three years after the first reference year.

\textsuperscript{16} OJ L 030, 6.2.1993, p.1
Article 6

Implementation measures

The measures necessary for the implementation of this instrument, relating to the subject matters referred to below shall be adopted in accordance with the procedure set out in Article 7. These shall include measures:

(a) for adjustment to economic and technical developments concerning the collection and statistical processing of data, the processing and the transmission of results;

(b) for adaptation of the specifications listed in Annexes I, II and III;

(c) for the production of results in accordance with Article 3(2), (3) and (4);

(d) for definition of the proper quality evaluation criteria and the contents of the quality reports as referred to in Section 7 of Annexes I and II of the present Regulation;

(e) for setting out the appropriate format for the transmission of results by Member States within 2 years from the date of entry into force of this Regulation;

(f) for compiling the list for granting transitional periods and derogations to Member States, as specified in Article 4;

(g) for implementation of the results of the pilot studies, as specified in Article 5(4), Annex I Section 2(4) and Annex II Section 8(3).

Article 7

Comitology

1. The Commission shall be assisted by the Statistical Programme Committee established by Decision 89/382/EEC, Euratom 17.

2. Where reference is made to this article, Article 5 of Decision 1999/468/EC 18 shall apply, in compliance with Articles 7(3) and 8 thereof. The period laid down in Article 5(6) of Decision 1999/468/EC shall be set at three months.

3 The Commission shall transmit the measures submitted to the Statistical Programme Committee to the Committee for adaptation to scientific and technical progress of EC legislation instituted by Directive 91/156/EEC 19 related to waste.

17 OJ L 181, 28.6.1989, p. 47
18 OJ L 184, 17.7.1999, p. 23
19 OJ L 78, 26.3.1991, p. 32
Article 8

Report

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

2. The Commission shall, where appropriate, within three years after the date of entry into force of this Regulation, submit to the European Parliament and the Council a proposal abolishing overlapping reporting obligations.

Article 9

Entry Into Force

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

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

Done at Brussels, […]

For the European Parliament

The President

For the Council

The President
Generation of waste

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\textsuperscript{20}. These Sections cover all economic activities, except agriculture, hunting, forestry (A) and fishing (B), which are outside the domain of this Annex.

This annex also covers:

- waste generated by households;
- waste arising from recovery and/or disposal operations.

SECTION 2

Waste categories

1. The waste categories for which statistics on waste generation 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 III.

3. Statistics on the following waste categories are to be produced:

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Code</th>
<th>Description</th>
<th>Hazardous / Non-hazardous waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>01.1</td>
<td>Spent solvents</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>2</td>
<td>&quot;</td>
<td>&quot;</td>
<td>Hazardous</td>
</tr>
<tr>
<td>3</td>
<td>01.2</td>
<td>Acid, alkaline or saline wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>4</td>
<td>&quot;</td>
<td>&quot;</td>
<td>Hazardous</td>
</tr>
</tbody>
</table>

\textsuperscript{20} OJ L 83, 3.4.1993, p.1
<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>01.3</td>
<td>Used oils</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td>Hazardous</td>
</tr>
<tr>
<td>7</td>
<td>01.4</td>
<td>Spent chemical catalysts</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td>Hazardous</td>
</tr>
<tr>
<td>9</td>
<td>02</td>
<td>Chemical preparation wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td>Hazardous</td>
</tr>
<tr>
<td>11</td>
<td>03.1</td>
<td>Chemical deposits and residues</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td>Hazardous</td>
</tr>
<tr>
<td>13</td>
<td>03.2</td>
<td>Industrial effluent sludges</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td>Hazardous</td>
</tr>
<tr>
<td>15</td>
<td>05</td>
<td>Health care and biological wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td>Hazardous</td>
</tr>
<tr>
<td>17</td>
<td>06</td>
<td>Metallic wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>18</td>
<td></td>
<td></td>
<td>Hazardous</td>
</tr>
<tr>
<td>19</td>
<td>07.1</td>
<td>Glass wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>20</td>
<td>07.2</td>
<td>Paper and cardboard wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>21</td>
<td>07.3</td>
<td>Rubber wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>22</td>
<td>07.4</td>
<td>Plastic wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>23</td>
<td>07.5</td>
<td>Wood wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>24</td>
<td>07.6</td>
<td>Textile wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>25</td>
<td></td>
<td></td>
<td>Hazardous</td>
</tr>
<tr>
<td>26</td>
<td>08</td>
<td>Discarded equipment</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>27</td>
<td></td>
<td></td>
<td>Hazardous</td>
</tr>
<tr>
<td>28</td>
<td>08.1</td>
<td>Discarded vehicles</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>29</td>
<td>08.41</td>
<td>Batteries and accumulators wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
<td>Hazardous</td>
</tr>
<tr>
<td>Item No.</td>
<td>Code</td>
<td>Description</td>
<td>Hazardous / Non-hazardous waste</td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>------------------------------------------------------------------------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>32</td>
<td>10.1</td>
<td>Household and similar wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>33</td>
<td>10.2</td>
<td>Mixed and undifferentiated materials</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>34</td>
<td>10.3</td>
<td>Sorting residues</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>35</td>
<td>11</td>
<td>Common sludges</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>36</td>
<td>12.1,12.2,12.3,12.5</td>
<td>Mineral wastes (excluding contaminated soils and polluted dredging spoils)</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>37</td>
<td>&quot;</td>
<td>&quot;</td>
<td>Hazardous</td>
</tr>
<tr>
<td>38</td>
<td>12.6</td>
<td>Contaminated soils and polluted dredging spoils</td>
<td>Hazardous</td>
</tr>
<tr>
<td>39</td>
<td>12.4</td>
<td>Combustion wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>40</td>
<td>&quot;</td>
<td>&quot;</td>
<td>Hazardous</td>
</tr>
<tr>
<td>41</td>
<td>13</td>
<td>Solidified, stabilised or vitrified wastes</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>42</td>
<td>&quot;</td>
<td>&quot;</td>
<td>Hazardous</td>
</tr>
</tbody>
</table>

4. Taking into account the reporting obligation under the European Parliament and Council Directive 94/62/EC, the Commission shall draw up a programme for pilot studies to be carried out on a voluntary basis by Member States in order to assess the relevance of including packaging waste entries (EWC-Stat Version 2) in the breakdown list above. The Commission shall finance up to 100% of the costs for these pilot studies. On the basis of the conclusions of these pilot studies, the Commission will adopt the necessary implementation measures in accordance with the procedure set out in Article 7 of this Regulation.

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SECTION 3

Characteristics

1. Characteristics for the waste categories:
   For each waste category listed in Section 2 (3), the quantity of waste generated shall be compiled.

2. Regional characteristics:
   Population or dwellings served by a collection scheme for mixed household and similar waste (NUTS II level).

SECTION 4

Reporting unit

1. The reporting unit to be used for all waste categories is 1000 tonnes of (normal) wet waste. For the waste categories "sludge" an additional figure for dry matter should be provided.

2. The reporting unit for regional characteristics should be the percentage of the population or dwellings.

SECTION 5

First reference year and periodicity

1. The first reference year is the second calendar year following the publication of the Regulation in the Official Journal.

2. Member States shall furnish data for every third year after the first reference year.

SECTION 6

Transmission of results to EUROSTAT

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

SECTION 7

Report on the coverage and quality of statistics

1. For each item listed in Section 8 (activities and households), Member States shall indicate the percentage to which the compiled statistics represent the universe of the
respective item. The minimum requirement for the coverage shall be defined in accordance with the procedure set out in Article 7.

2. Member States shall give a quality report, indicating the degree of precision for the collected data. A description shall be given on the estimations, aggregations or exclusions, and the way these procedures affect the distribution of waste categories, listed in Section 2 (3) by economic activities and households, as referred in Section 8.

3. The Commission shall include the coverage and quality reports in the report provided for in Article 8 of this Regulation.

SECTION 8

Production of results

1. The results for the characteristics listed in Section 3 (1), are to be compiled for:

1.1 The following Sections, Divisions, Groups and Classes of NACE Rev. 1:

<table>
<thead>
<tr>
<th>Item No.</th>
<th>NACE Rev.1 Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>C</td>
<td>Mining and quarrying</td>
</tr>
<tr>
<td>2</td>
<td>DA</td>
<td>Manufacture of food products, beverages and tobacco</td>
</tr>
<tr>
<td>3</td>
<td>DB+DC</td>
<td>Manufacture of textiles + Manufacture of leather and leather products</td>
</tr>
<tr>
<td>4</td>
<td>DD</td>
<td>Manufacture of wood and wood products</td>
</tr>
<tr>
<td>5</td>
<td>DE</td>
<td>Manufacture of pulp, paper and paper products; publishing and printing</td>
</tr>
<tr>
<td>6</td>
<td>DF</td>
<td>Manufacture of coke, refined petroleum products and nuclear fuels</td>
</tr>
<tr>
<td>7</td>
<td>DG+DH</td>
<td>Manufacture of chemicals, chemical products, man-made fibres + Manufacture of rubber and plastic products</td>
</tr>
<tr>
<td>8</td>
<td>DI</td>
<td>Manufacture of other non-metallic mineral products</td>
</tr>
<tr>
<td>9</td>
<td>DJ</td>
<td>Manufacture of basic metals and fabricated metal products</td>
</tr>
<tr>
<td>10</td>
<td>DK+DL+DM</td>
<td>Manufacture of machinery and equipment + Manufacture of electrical and optical equipment + Manufacture of transport equipment</td>
</tr>
<tr>
<td>11</td>
<td>DN</td>
<td>Manufacture n.e.c.</td>
</tr>
</tbody>
</table>

Excluded 37
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>E</td>
<td>Electricity, gas, steam and hot water and water supply</td>
</tr>
<tr>
<td>13</td>
<td>F</td>
<td>Construction</td>
</tr>
<tr>
<td>14</td>
<td>G - Q</td>
<td>Services activities:</td>
</tr>
<tr>
<td></td>
<td>Excluded and 51.57</td>
<td>Wholesale and retail trade; Repair of motor vehicles, motor cycles and personal and household goods + Lodging, restaurant and similar activities + Transports, storage and communications + Financial activities + Real state activity, rentals and other services to enterprises + Public administration, defence and obligatory social security + Education activities + Social activities and Health + Other personal, social and community services + Families with household employees + International organisations and other extra-territorial institutions</td>
</tr>
<tr>
<td>15</td>
<td>37</td>
<td>Recycling</td>
</tr>
<tr>
<td>16</td>
<td>51.57</td>
<td>Wholesale of waste and scrap</td>
</tr>
<tr>
<td>17</td>
<td>90</td>
<td>Sewage and refuse disposal, sanitation and similar activities</td>
</tr>
</tbody>
</table>

1.2 Households

18 Waste generated by households

2. For economic activities, statistical units are Local Units or Kind of Activity Units, as defined in Council Regulation 696/93/EEC on the statistical units for the observation and analysis of the production system in the Community, according to each Member State's statistical system.

In the quality report, to be produced under Section 7, a description of how the chosen statistical unit affects the groupings of NACE-Rev 1 data distribution should be included.

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22 OJ L 76, 30.3. 1993, p. 2
ANNEX II
Recovery and Disposal of Waste

SECTION 1

Coverage

1. The statistics are to be compiled for all recovery and disposal facilities which run any of the operations referred to in Section 8(2) and which belong to or are part of the economic activities according to the groupings of NACE-Rev.1, mentioned in Annex I, Section 8 (1.1).

2. Facilities whose waste treatment activities are limited to the recycling of waste on the site where the waste was generated, are not covered by this Annex.

SECTION 2

Waste categories

The list of waste categories for which the statistics are to be compiled, according to each recovery or disposal operation as referred to in section 8(2), are the following:

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Code</th>
<th>Description</th>
<th>Incineration</th>
<th>Hazardous / Non-hazardous waste</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>EWC-Stat Version 2</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>01   +</td>
<td>Chemical wastes</td>
<td>Hazardous</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td></td>
<td>02   +</td>
<td>(Chemical compound waste + Chemical preparation wastes + Other chemical wastes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>03</td>
<td></td>
<td>Non-hazardous</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>&quot;    &quot;</td>
<td></td>
<td></td>
<td>Hazardous</td>
</tr>
<tr>
<td>3</td>
<td>01.3</td>
<td>Used oils</td>
<td>Non-hazardous</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>&quot;    &quot;</td>
<td></td>
<td></td>
<td>Hazardous</td>
</tr>
<tr>
<td>5</td>
<td>05</td>
<td>Health care and biological wastes</td>
<td>Non-hazardous</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>&quot;    &quot;</td>
<td></td>
<td></td>
<td>Hazardous</td>
</tr>
<tr>
<td>7</td>
<td>10.1</td>
<td>Mixed household and similar waste</td>
<td>Non-hazardous</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>10.2</td>
<td>Mixed and undifferentiated materials</td>
<td>Non-hazardous</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>10.3</td>
<td>Sorting residues</td>
<td>Non-hazardous</td>
<td></td>
</tr>
<tr>
<td>Item No.</td>
<td>Code</td>
<td>Description</td>
<td>Hazardous / Non-hazardous waste</td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>-------------</td>
<td>--------------------------------</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>11</td>
<td>Common sludges</td>
<td>Non-hazardous</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>06 +</td>
<td>Other wastes</td>
<td>Non-hazardous</td>
<td></td>
</tr>
<tr>
<td></td>
<td>07 +</td>
<td>(Metallic wastes + Non-metallic wastes + Discarded equipment + Animal and vegetal wastes + Mineral wastes + Solidified, stabilised or vitrified wastes)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>&quot;</td>
<td>&quot;</td>
<td>Hazardous</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>01.3</td>
<td>Used oils</td>
</tr>
<tr>
<td>2</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>3</td>
<td>06</td>
<td>Metallic wastes</td>
</tr>
<tr>
<td>4</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>5</td>
<td>07.1</td>
<td>Glass wastes</td>
</tr>
<tr>
<td>6</td>
<td>07.2</td>
<td>Paper and cardboard wastes</td>
</tr>
<tr>
<td>7</td>
<td>07.3</td>
<td>Rubber wastes</td>
</tr>
<tr>
<td>8</td>
<td>07.4</td>
<td>Plastic wastes</td>
</tr>
<tr>
<td>9</td>
<td>07.5</td>
<td>Wood wastes</td>
</tr>
<tr>
<td>10</td>
<td>07.6</td>
<td>Textile wastes</td>
</tr>
<tr>
<td>11</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>12</td>
<td>09</td>
<td>Animal and vegetal wastes</td>
</tr>
<tr>
<td>13</td>
<td>12</td>
<td>Mineral waste</td>
</tr>
<tr>
<td>14</td>
<td>12</td>
<td>Mineral waste</td>
</tr>
</tbody>
</table>

**Recycling**

<table>
<thead>
<tr>
<th>Item No.</th>
<th>EWC-Stat Version 2</th>
<th>Hazardous / Non-hazardous waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>01.3</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>2</td>
<td>&quot;</td>
<td>Hazardous</td>
</tr>
<tr>
<td>3</td>
<td>06</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>4</td>
<td>&quot;</td>
<td>Hazardous</td>
</tr>
<tr>
<td>5</td>
<td>07.1</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>6</td>
<td>07.2</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>7</td>
<td>07.3</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>8</td>
<td>07.4</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>9</td>
<td>07.5</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>10</td>
<td>07.6</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>11</td>
<td>&quot;</td>
<td>Hazardous</td>
</tr>
<tr>
<td>12</td>
<td>09</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>13</td>
<td>12</td>
<td>Non-hazardous</td>
</tr>
<tr>
<td>14</td>
<td>12</td>
<td>Hazardous</td>
</tr>
<tr>
<td>Item No.</td>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>---------</td>
<td>------</td>
<td>-------------</td>
</tr>
<tr>
<td>1</td>
<td>01 + 02 + 03</td>
<td>Chemical wastes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>3</td>
<td>01.3</td>
<td>Used oils</td>
</tr>
<tr>
<td>4</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>5</td>
<td>09</td>
<td>Animal and vegetal wastes</td>
</tr>
<tr>
<td>6</td>
<td>10.1</td>
<td>Household and similar waste</td>
</tr>
<tr>
<td>7</td>
<td>10.2</td>
<td>Mixed and undifferentiated materials</td>
</tr>
<tr>
<td>8</td>
<td>10.3</td>
<td>Sorting residues</td>
</tr>
<tr>
<td>9</td>
<td>11</td>
<td>Common sludges</td>
</tr>
<tr>
<td>10</td>
<td>12</td>
<td>Mineral wastes</td>
</tr>
<tr>
<td>11</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>12</td>
<td>05 + 06 + 07 + 08 + 13</td>
<td>Other wastes</td>
</tr>
</tbody>
</table>
SECTION 3

Characteristics

1. The characteristics, for which the statistics are to be compiled on recovery and disposal operations, as referred to in Section 8(2) are set out in the table below.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2 00</td>
<td>Number of operation facilities, NUTS 2 level</td>
</tr>
<tr>
<td>2</td>
<td>2 10</td>
<td>Capacity in units according to the operations defined in Article 2, NUTS 2 level</td>
</tr>
<tr>
<td>3</td>
<td>2 20</td>
<td>Total quantities of waste treated, by waste category, excluding recycling of waste on the site where the waste was generated, at NUTS 1 level</td>
</tr>
</tbody>
</table>

SECTION 4

Reporting unit

The reporting unit to be used for all waste categories is 1000 tonnes of (normal) wet waste. For the waste categories “sludge” an additional figure for dry matter should be provided.

SECTION 5

First reference year and periodicity

1. The first reference year is the second calendar year following the publication of the Regulation in the Official Journal.

2. Member states shall furnish data according to the following scheme:

   a. for every year, after the reference year, for the facilities which are referred to in Section 8(2) and run any of the operations under Incineration (item number 1 and 2) and Disposal (item number 4 and 5) as far as these facilities belong to or are part of the economic activities according to the groupings of NACE Rev 1: E, 75 and 90.
b. for every third year, after the reference year for all Recovery and Disposal facilities which run any of the operations referred to in Section 8(2) and which belong to or are part of the economic activities according to the groupings of NACE-Rev.1, mentioned in Annex I, Section 8 (1.1).

SECTION 6

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 7

Report on the coverage and quality of statistics

1. For the characteristics listed in Section 3, and for each type of operation listed in Section 8, paragraph 2, Member States shall indicate the percentage to which the compiled statistics represent the universe of waste of the respective item. The minimum requirement for the coverage shall be defined in accordance with the procedure set out in Article 7.

2. For the characteristics listed in Section 3, paragraph 2, 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 8 of this Regulation.

SECTION 8

Production of results

1. The results are to be compiled for each recovery and disposal operation, as specified below, according to the characteristic 2 20 as referred to in Section 3 and the operation specific waste categories listed in Section 2.


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\textsuperscript{23} OJ L 135, 6.6.1996, p. 32
<table>
<thead>
<tr>
<th>Item No.</th>
<th>Code</th>
<th>Types of recovery and disposal operations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>Incineration</strong></td>
</tr>
<tr>
<td>1</td>
<td>R1</td>
<td>Incineration with energy recovery:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Use principally as a fuel or other means to generate energy</td>
</tr>
<tr>
<td>2</td>
<td>D10</td>
<td>Incineration other than R1</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Recycling (including Composting)</strong></td>
</tr>
<tr>
<td>3</td>
<td>R2 +</td>
<td>Recycling:</td>
</tr>
<tr>
<td></td>
<td>R3 +</td>
<td>Solvent reclamation/regeneration + Recycling/reglamation of organic substances which are not used as solvents (including composting and other biological transformation processes) + Recycling/reglamation of metals and metal compounds + Recycling/reglamation of other inorganic materials + Regeneration of acids or bases + Recovery of components used for pollution abatement + Recovery of components from catalysts + Oil re-finishing or other reuses of oil + Land treatment resulting in benefit to agriculture or ecological improvement + Use of wastes obtained from any of the operations numbered R1 to R10</td>
</tr>
<tr>
<td></td>
<td>R4 +</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R5 +</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R6 +</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R7 +</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R8 +</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R9 +</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R10+</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R11</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Disposal</strong></td>
</tr>
<tr>
<td>4</td>
<td>D1 +</td>
<td>Final deposit: (different types of landfilling operations)</td>
</tr>
<tr>
<td></td>
<td>D3 +</td>
<td>Deposit into landfill + Deep injection + Surface impoundment (discharge of liquid wastes on natural or artificial lagoons) + Special engineered landfill + Permanent storage</td>
</tr>
<tr>
<td></td>
<td>D4 +</td>
<td></td>
</tr>
<tr>
<td></td>
<td>D5 +</td>
<td></td>
</tr>
<tr>
<td></td>
<td>D12</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>D2 +</td>
<td>Other final disposal operations:</td>
</tr>
<tr>
<td></td>
<td>D6 +</td>
<td>Land treatment + Release into a water body except seas and oceans + Release into seas and oceans including sea-bed insertion</td>
</tr>
<tr>
<td></td>
<td>D7</td>
<td></td>
</tr>
</tbody>
</table>

3. The Commission shall draw up a programme for pilot studies, to be carried out on a voluntary basis by Member States. The pilot studies will aim to assess the relevance and feasibility of obtaining data on the amounts of waste conditioned by preparatory operations, as defined in Annexes II.A and II.B of Council Directive 75/442/EEC and adapted by Commission Decision 96/350/EC. The Commission shall finance up to 100% of the costs for conducting these pilot studies. Based on the conclusions of

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24 OJ L 135, 6.6.1996, p. 32
these pilot studies, the Commission will adopt the necessary implementation
measures, in accordance with the procedure set out in Article 7 of this Regulation.

4. Statistical units are Local Units or Kind of Activity Units, as defined in Council
Regulation 696/93 EEC\(^\text{25}\) on the statistical units for the observation and analysis of
the production system in the Community, according to each Member State's statistical
system.

In the quality report, to be produced under Section 7, a description of how the chosen
statistical unit affects the groupings of NACE-Rev 1 data distribution should be
included.

\(^{25}\) OJ L 76, 30.3.1993, p. 1
ANNEX III
## Transposition table

Related to ANNEX I, Section 2(2) and ANNEX II, Section 2

**EWC-Stat Rev.2** (substance oriented waste statistical classification)

**European Waste Catalogue (EWC)**

01 Chemical compound wastes

01.1 Spent solvents

### 01.11 Halogenated spent solvents

1 Hazardous

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>04.01.03</td>
<td>degreasing wastes containing solvents without a liquid phase</td>
</tr>
<tr>
<td>07.01.03</td>
<td>organic halogenated solvents, washing liquids and mother liquors</td>
</tr>
<tr>
<td>07.02.03</td>
<td>organic halogenated solvents, washing liquids and mother liquors</td>
</tr>
<tr>
<td>07.03.03</td>
<td>organic halogenated solvents, washing liquids and mother liquors</td>
</tr>
<tr>
<td>07.04.03</td>
<td>organic halogenated solvents, washing liquids and mother liquors</td>
</tr>
<tr>
<td>07.05.03</td>
<td>organic halogenated solvents, washing liquids and mother liquors</td>
</tr>
<tr>
<td>07.06.03</td>
<td>organic halogenated solvents, washing liquids and mother liquors</td>
</tr>
<tr>
<td>07.07.03</td>
<td>organic halogenated solvents, washing liquids and mother liquors</td>
</tr>
<tr>
<td>14.01.01</td>
<td>chlorofluorocarbons</td>
</tr>
<tr>
<td>14.01.02</td>
<td>other halogenated solvents and solvent mixes</td>
</tr>
<tr>
<td>14.01.04</td>
<td>aqueous solvent mixes containing halogens</td>
</tr>
<tr>
<td>14.01.06</td>
<td>sludges or solid wastes containing halogenated solvents</td>
</tr>
<tr>
<td>14.02.01</td>
<td>halogenated solvents and solvent mixes</td>
</tr>
<tr>
<td>14.02.03</td>
<td>sludges or solid wastes containing halogenated solvents</td>
</tr>
<tr>
<td>14.03.01</td>
<td>chlorofluorocarbons</td>
</tr>
<tr>
<td>14.03.02</td>
<td>other halogenated solvents</td>
</tr>
<tr>
<td>14.03.04</td>
<td>sludges or solid wastes containing halogenated solvents</td>
</tr>
<tr>
<td>14.04.01</td>
<td>chlorofluorocarbons</td>
</tr>
<tr>
<td>14.04.02</td>
<td>other halogenated solvents and solvent mixes</td>
</tr>
<tr>
<td>14.04.04</td>
<td>sludges or solid wastes containing halogenated solvents</td>
</tr>
<tr>
<td>14.05.01</td>
<td>chlorofluorocarbons</td>
</tr>
<tr>
<td>14.05.02</td>
<td>halogenated solvents and solvent mixes</td>
</tr>
<tr>
<td>14.05.04</td>
<td>sludges containing halogenated solvents</td>
</tr>
</tbody>
</table>

### 01.12 Non halogenated spent solvents

0 Non-hazardous

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02.03.03</td>
<td>wastes from solvent extraction</td>
</tr>
</tbody>
</table>

1 Hazardous

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>07.01.04</td>
<td>other organic solvents, washing liquids and mother liquors</td>
</tr>
<tr>
<td>07.02.04</td>
<td>other organic solvents, washing liquids and mother liquors</td>
</tr>
<tr>
<td>07.03.04</td>
<td>other organic solvents, washing liquids and mother liquors</td>
</tr>
</tbody>
</table>
07.04.04 other organic solvents, washing liquids and mother liquors
07.05.04 other organic solvents, washing liquids and mother liquors
07.06.04 other organic solvents, washing liquids and mother liquors
07.07.04 other organic solvents, washing liquids and mother liquors
14.01.03 other solvents and solvent mixes
14.01.05 aqueous solvent mixes free of halogens
14.01.07 sludges or solid wastes free of halogenated solvents
14.02.02 solvent mixes or organic liquids free of halogenated solvents
14.02.04 sludges or solid wastes containing other solvents
14.03.03 solvents and solvent mixes free of halogenated solvents
14.03.05 sludges or solid wastes containing other solvents
14.04.03 other solvents and solvent mixes
14.04.05 sludges or solid wastes containing other solvents
14.05.03 other solvents and solvent mixes
14.05.05 sludges containing other solvents
20.01.13 solvents

01.2 Acid, alkaline or saline wastes
01.21 Acid wastes

0 Non-hazardous
11.01.04 cyanide-free wastes not containing chromium
20.01.14 acids

1 Hazardous
06.01.01 sulphuric acid and sulphurous acid
06.01.02 hydrochloric acid
06.01.03 hydrofluoric acid
06.01.04 phosphoric and phosphorous acid
06.01.05 nitric acid and nitrous acid
06.01.99 waste not otherwise specified
09.01.04 fixer solutions
09.01.05 bleach solutions and bleach fixer solutions
10.01.09 sulphuric acid
11.01.03 cyanide-free wastes containing chromium
11.01.05 acidic pickling solutions
11.01.06 acids not otherwise specified
16.06.06 electrolyte from batteries and accumulators

01.22 Alkaline wastes

0 Non-hazardous
20.01.15 alkalines

1 Hazardous
06.02.01 calcium hydroxide
06.02.02 soda
06.02.03 ammonia
06.02.99 wastes not otherwise specified
09.01.01 water based developer and activator solutions
09.01.02 water based offset plate developer solutions
09.01.03 solvent based developer solutions
11.01.01 cyanidic (alkaline) wastes containing heavy metals other than chromium

29
11.01.02 cyanidic (alkaline) wastes which do not contain heavy metals
11.01.07 alkalis not otherwise specified
11.03.01 wastes containing cyanide
19.02.01 metal hydroxide sludges and other sludges from metal insolubilisation treatment

01.23 Saline solutions
0 Non-hazardous
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

1 Hazardous
10.06.05 waste from electrolytic refining

01.24 Other saline wastes
0 Non-hazardous
01.04.04 waste from potash and rock salt processing
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
05.05.01 waste containing sulphur
05.07.02 wastes containing sulphur
06.03.01 carbonates (except 02 04 02 and 19 10 03)
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
06.03.12 salts and solutions containing organic compounds
06.03.99 wastes not otherwise specified
06.04.01 metallic oxides
06.04.99 wastes not otherwise specified
06.06.01 waste containing sulphur
11.02.01 sludges from copper hydrometallurgy

1 Hazardous
06.03.11 salts and solutions containing cyanides
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
10.03.08 salt slags from secondary smelting
10.03.10 waste from treatment of salt slags and black drosses treatment
11.01.08 phosphatizing sludges
11.02.02 sludges from zinc hydrometallurgy (including jarosite, goethite)
11.03.02 other wastes

01.3 Used oils
01.31 Used motor oils
<table>
<thead>
<tr>
<th>01.32 Other used oils</th>
<th>01.4 Spent chemical catalysts</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazardous</strong></td>
<td><strong>01.41 Spent chemical catalysts</strong></td>
</tr>
<tr>
<td>13.02.01 chlorinated engine, gear and lubricating oils</td>
<td>0 Non-hazardous</td>
</tr>
<tr>
<td>13.02.02 non-chlorinated engine, gear and lubricating oils</td>
<td>05.03.01 spent catalysts containing precious metals</td>
</tr>
<tr>
<td>13.02.03 other engine, gear and lubricating oils</td>
<td>05.03.02 other spent catalysts</td>
</tr>
<tr>
<td><strong>0 Non-hazardous</strong></td>
<td><strong>06.12.01 spent catalysts containing precious metals</strong></td>
</tr>
<tr>
<td>01.05.01 oil-containing drilling muds and wastes</td>
<td>06.12.02 other spent catalysts</td>
</tr>
<tr>
<td>05.01.02 desalted sludges</td>
<td></td>
</tr>
<tr>
<td>05.01.06 sludges from plant, equipment and maintenance operations</td>
<td></td>
</tr>
<tr>
<td>12.02.02 sludges from grinding, honing and lapping</td>
<td></td>
</tr>
<tr>
<td>12.02.03 polishing sludges</td>
<td></td>
</tr>
<tr>
<td>12.02.99 wastes not otherwise specified</td>
<td></td>
</tr>
<tr>
<td><strong>1 Hazardous</strong></td>
<td><strong>06.12.01 spent catalysts containing precious metals</strong></td>
</tr>
<tr>
<td>05.01.03 tank bottom sludges</td>
<td>06.12.02 other spent catalysts</td>
</tr>
<tr>
<td>05.01.04 acid alkyl sludges</td>
<td></td>
</tr>
<tr>
<td>12.01.06 waste machining oils containing halogens (not emulsioned)</td>
<td></td>
</tr>
<tr>
<td>12.01.07 waste machining oils free of halogens (not emulsioned)</td>
<td></td>
</tr>
<tr>
<td>12.01.08 waste machining emulsions containing halogens</td>
<td></td>
</tr>
<tr>
<td>12.01.09 waste machining emulsions free of halogens</td>
<td></td>
</tr>
<tr>
<td>12.01.10 synthetic machining oils</td>
<td></td>
</tr>
<tr>
<td>12.01.11 machining sludges</td>
<td></td>
</tr>
<tr>
<td>12.01.12 spent waxes and fats</td>
<td></td>
</tr>
<tr>
<td>13.01.01 hydraulic oils, containing PCBs or PCTs</td>
<td></td>
</tr>
<tr>
<td>13.01.02 other chlorinated hydraulic oils (not emulsions)</td>
<td></td>
</tr>
<tr>
<td>13.01.03 non chlorinated hydraulic oils (not emulsions)</td>
<td></td>
</tr>
<tr>
<td>13.01.04 chlorinated emulsions</td>
<td></td>
</tr>
<tr>
<td>13.01.05 non chlorinated emulsions</td>
<td></td>
</tr>
<tr>
<td>13.01.06 hydraulic oils containing only mineral oil</td>
<td></td>
</tr>
<tr>
<td>13.01.07 other hydraulic oils</td>
<td></td>
</tr>
<tr>
<td>13.01.08 brake fluids</td>
<td></td>
</tr>
<tr>
<td>13.03.01 insulating or heat transmission oils and other liquids containing PCBs or PCTs</td>
<td></td>
</tr>
<tr>
<td>13.03.02 other chlorinated insulating and heat transmission oils and other liquids</td>
<td></td>
</tr>
<tr>
<td>13.03.03 non-chlorinated insulating and heat transmission oils and other liquids</td>
<td></td>
</tr>
<tr>
<td>13.03.04 synthetic insulating and heat transmission oils and other liquids</td>
<td></td>
</tr>
<tr>
<td>13.06.01 oil waste not otherwise specified</td>
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</tr>
</tbody>
</table>
02 Chemical preparation wastes

02.1 Off-specification chemical wastes

02.11 Agrochemical product wastes

1 Hazardous

02.01.05 agrochemical wastes
06.13.01 inorganic pesticides, biocides and wood preserving agents
20.01.19 pesticides

02.12 Unused medicines

0 Non-hazardous

18.01.05 discarded chemicals and medicines
20.01.18 medicines

02.13 Paints, varnish, inks and adhesive wastes

0 Non-hazardous

03.01.99 wastes not otherwise specified
04.02.13 dye stuffs and pigments
08.01.03 waste from water-based paints and varnishes
08.01.04 powder paints
08.01.05 hardened paints and varnishes
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
08.02.01 waste coating powders
08.02.99 wastes not otherwise specified
08.03.03 waste from water-based ink
08.03.04 dried ink
08.03.07 aqueous sludges containing ink
08.03.08 aqueous liquid waste containing ink
08.03.09 waste printing toner (including cartridges)
08.03.99 wastes not otherwise specified
08.04.03 wastes from water-based adhesives and sealants
08.04.04 hardened adhesives and sealants
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

Hazardous

08.01.01 waste paints and varnish containing halogenated solvents
08.01.02 waste paints and varnish free of halogenated solvents
08.01.06 sludges from paint or varnish removal containing halogenated solvents
08.01.07 sludges from paint or varnish removal free of halogenated solvents
08.03.01 waste ink containing halogenated solvents
08.03.02 waste ink free of halogenated solvents
08.03.05 ink sludges containing halogenated solvents
08.03.06 ink sludges free of halogenated solvents
08.04.01 waste adhesives and sealants containing halogenated solvents
08.04.02 waste adhesives and sealants free of halogenated solvents
08.04.05 adhesives and sealants sludges containing halogenated solvents
08.04.06 adhesives and sealants sludges free of halogenated solvents

08.01.12 paint, inks, adhesives and resins

02.14 Other chemical preparation wastes

Non-hazardous

02.03.02 wastes from preserving agents
02.06.02 wastes from preserving agents
02.07.03 waste from chemical treatment
03.03.03 bleaching sludges from hypochlorite and chlorine processes
03.03.04 bleaching sludges from other bleaching processes
06.06.99 wastes not otherwise specified
06.07.99 wastes not otherwise specified
06.08.01 wastes from production of silicon and silicon derivatives
06.09.99 wastes not otherwise specified
06.10.01 waste from nitrogen chemical processes and fertilizer manufacture
06.11.99 wastes not otherwise specified
06.13.99 wastes not otherwise specified
09.01.07 photographic film and paper containing silver or silver compounds
16.05.01 industrial gases in high pressure cylinders, LPG containers and industrial aerosol containers (including halons)
20.01.16 detergents
20.01.22 aerosols

Hazardous

03.02.01 non-halogenated organic wood preservatives
03.02.02 organochlorinated wood preservatives
03.02.03 organometallic wood preservatives
03.02.04 inorganic wood preservatives
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>05.07.01</td>
<td>sludges containing mercury</td>
</tr>
<tr>
<td>18.02.04</td>
<td>discarded chemicals</td>
</tr>
<tr>
<td>20.01.17</td>
<td>photo chemicals</td>
</tr>
</tbody>
</table>

02.2 Unused explosives

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02.21</td>
<td>Waste explosives and pyrotechnical products</td>
</tr>
<tr>
<td>1 Hazardous</td>
<td></td>
</tr>
<tr>
<td>16.04.02</td>
<td>fireworks waste</td>
</tr>
<tr>
<td>16.04.03</td>
<td>other waste explosives</td>
</tr>
</tbody>
</table>

02.22 Waste ammunition

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Hazardous</td>
<td></td>
</tr>
<tr>
<td>16.04.01</td>
<td>waste ammunition</td>
</tr>
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</table>

02.3 Mixed chemical wastes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>02.31</td>
<td>Minor mixed chemical wastes</td>
</tr>
<tr>
<td>0 Non-hazardous</td>
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<tr>
<td>16.05.02</td>
<td>other waste containing inorganic chemicals, e.g. lab chemicals not otherwise specified, fire extinguishing powders</td>
</tr>
<tr>
<td>16.05.03</td>
<td>other waste containing organic chemicals, e.g. lab chemicals not otherwise specified</td>
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</tbody>
</table>

02.32 Chemical wastes mixed for treatment

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>0 Non-hazardous</td>
<td></td>
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<tr>
<td>19.02.02</td>
<td>premixed wastes for final disposal</td>
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</tbody>
</table>

02.33 Packaging polluted by hazardous substances

03 Other chemical wastes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>03.1</td>
<td>Chemical deposits and residues</td>
</tr>
<tr>
<td>03.11</td>
<td>Tars and carbonaceous wastes</td>
</tr>
<tr>
<td>0 Non-hazardous</td>
<td></td>
</tr>
<tr>
<td>05.06.02</td>
<td>asphalt</td>
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<tr>
<td>05.06.99</td>
<td>wastes not otherwise specified</td>
</tr>
<tr>
<td>06.13.03</td>
<td>carbon black</td>
</tr>
<tr>
<td>10.03.02</td>
<td>anode scraps</td>
</tr>
<tr>
<td>11.02.03</td>
<td>wastes from the production of anodes for aqueous electrolytical processes</td>
</tr>
<tr>
<td>1 Hazardous</td>
<td></td>
</tr>
<tr>
<td>05.01.07</td>
<td>acid tars</td>
</tr>
<tr>
<td>05.01.08</td>
<td>other tars</td>
</tr>
<tr>
<td>05.06.01</td>
<td>acid tars</td>
</tr>
<tr>
<td>05.06.03</td>
<td>other tars</td>
</tr>
<tr>
<td>05.08.02</td>
<td>acid tars</td>
</tr>
<tr>
<td>05.08.03</td>
<td>other tars</td>
</tr>
<tr>
<td>10.03.01</td>
<td>tars and other carbon-containing wastes from anode manufacture</td>
</tr>
</tbody>
</table>

03.12 Oils/water emulsions sludges

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Hazardous</td>
<td></td>
</tr>
<tr>
<td>13.04.01</td>
<td>bilge oils from inland navigation</td>
</tr>
<tr>
<td>13.04.02</td>
<td>bilge oils from jetty sewers</td>
</tr>
<tr>
<td>13.04.03</td>
<td>bilge oils from other navigation</td>
</tr>
</tbody>
</table>
13.05.01 oil/water separator solids
13.05.02 oil/water separator sludges
13.05.03 interceptor sludges
13.05.04 desalter sludges or emulsions
13.05.05 other emulsions
16.07.01 waste from marine transport tank cleaning, containing chemicals
16.07.04 waste from railway and road transport tank cleaning containing chemicals
16.07.05 waste from storage tank cleaning, containing chemicals

03.13 Chemical reaction residues

0 Non-hazardous
03.03.02 dregs and green liquor sludge (from black liquor treatment)
04.01.04 tanning liquor containing chromium
04.01.05 tanning liquor free of chromium
07.01.99 wastes not otherwise specified
07.02.99 wastes not otherwise specified
07.03.99 wastes not otherwise specified
07.04.99 wastes not otherwise specified
07.05.99 wastes not otherwise specified
07.06.99 wastes not otherwise specified
07.07.99 wastes not otherwise specified

1 Hazardous
07.01.01 aqueous washing liquids and mother liquors
07.01.07 halogenated still bottoms and reaction residues
07.01.08 other still bottoms and reaction residues
07.02.01 aqueous washing liquids and mother liquors
07.02.07 halogenated still bottoms and reaction residues
07.02.08 other still bottoms and reaction residues
07.03.01 aqueous washing liquids and mother liquors
07.03.07 halogenated still bottoms and reaction residues
07.03.08 other still bottoms and reaction residues
07.04.01 aqueous washing liquids and mother liquors
07.04.07 halogenated still bottoms and reaction residues
07.04.08 other still bottoms and reaction residues
07.05.01 aqueous washing liquids and mother liquors
07.05.07 halogenated still bottoms and reaction residues
07.05.08 other still bottoms and reaction residues
07.06.01 aqueous washing liquids and mother liquors
07.06.07 halogenated still bottoms and reaction residues
07.06.08 other still bottoms and reaction residues
07.07.01 aqueous washing liquids and mother liquors
07.07.07 halogenated still bottoms and reaction residues
07.07.08 other still bottoms and reaction residues
19.04.03 non-vitrified solid phase

03.14 Spent filtration and absorbent materials

0 Non-hazardous
19.09.03 sludges from decarbonation
19.09.04 spent activated carbon
19.09.05 saturated or spent ion exchange resins
19.09.06 solutions and sludges from regeneration of ion exchangers

1 Hazardous
05.04.01 spent filter clays
05.08.01 spent filter clays
06.07.02 activated carbon from chlorine production
06.13.02 spent activated carbon (except 06 07 02)
07.01.09 halogenated filter cakes, spent absorbents
07.01.10 other filter cakes, spent absorbents
07.02.09 halogenated filter cakes, spent absorbents
07.02.10 other filter cakes, spent absorbents
07.03.09 halogenated filter cakes, spent absorbents
07.03.10 other filter cakes, spent absorbents
07.04.09 halogenated filter cakes, spent absorbents
07.04.10 other filter cakes, spent absorbents
07.05.09 halogenated filter cakes, spent absorbents
07.05.10 other filter cakes, spent absorbents
07.06.09 halogenated filter cakes, spent absorbents
07.06.10 other filter cakes, spent absorbents
07.07.09 halogenated filter cakes, spent absorbents
07.07.10 other filter cakes, spent absorbents
19.01.05 filter cake from gas treatment
19.08.06 saturated or spent ion exchange resins
19.08.07 solutions and sludges from regeneration of ion exchangers

03.2 Industrial effluent sludges

03.21 Sludges from industrial processes and effluent treatment

0 Non-hazardous
03.03.05 de-inking sludges from paper recycling
04.01.06 sludges containing chromium
04.01.07 sludges free of chromium
04.02.99 wastes not otherwise specified
05.01.01 sludges from on-site effluent treatment
06.05.01 sludges from on-site effluent treatment
07.01.02 sludges from on-site effluent treatment
07.02.02 sludges from on-site effluent treatment
07.03.02 sludges from on-site effluent treatment
07.04.02 sludges from on-site effluent treatment
07.05.02 sludges from on-site effluent treatment
07.06.02 sludges from on-site effluent treatment
07.07.02 sludges from on-site effluent treatment
11.02.04 sludges not otherwise specified
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
19.07.01 landfill leachate

03.22 Sludges containing hydrocarbons

0 Non-hazardous
05.01.99 wastes not otherwise specified
05.05.99 wastes not otherwise specified
05.07.99 wastes not otherwise specified
05.08.99 wastes not otherwise specified

1 Hazardous
05.08.04 aqueous liquid waste from oil regeneration
12.03.01 aqueous washing liquids
12.03.02 steam degreasing wastes
16.07.02 waste from marine transport tank cleaning, containing oil
16.07.03 waste from railway and road transport tank cleaning containing oil
16.07.06 waste from storage tank cleaning, containing oil
19.08.03 grease and oil mixture from oil/waste water separation

04 Radioactive wastes
  04.1 Nuclear waste
    04.11 Nuclear wastes
  04.2 Spent ionising sources
    04.21 Spent ionising sources
  04.3 Equipment and products contaminated by radioactivity
    04.31 Equipment and products contaminated by radioactivity
  04.4 Soils contaminated by radioactivity
    04.41 Soils contaminated by radioactivity

05 Health care and biological wastes
  05.1 Infectious health care wastes
    05.11 Human infectious health care wastes
      0 Non-hazardous
        18.01.02 body parts and organs including blood bags and blood preserves
      1 Hazardous
        18.01.03 other wastes whose collection and disposal is subject to special requirements in view of the prevention of infection
    05.12 Animal infectious health care wastes
      0 Non-hazardous
        18.01.01 sharps
        18.02.01 sharps
  05.2 Non-infectious health care wastes
    05.21 Non-infectious human health care wastes
    05.22 Non-infectious animal health care wastes
  05.3 Genetic engineering wastes
    05.31 Genetic engineering wastes
      1 Hazardous
        18.02.02 other wastes whose collection and disposal is subject to special requirements in view of the prevention of infection

06 Metallic wastes
  06.1 Ferrous metal waste and scrap
    06.11 Ferrous metal waste and scrap
      0 Non-hazardous
10.12.06 discarded moulds
12.01.01 ferrous metal filings and turnings
12.01.02 other ferrous metals particles
17.04.05 iron and steel
19.01.02 ferrous materials removed from bottom ash

06.2 Non-ferrous metal waste and scrap
06.21 Waste precious metal
   1 Hazardous
      09.01.06 waste containing silver from on-site treatment of photographic waste
06.22 Waste aluminium packaging
06.23 Other waste aluminium
   0 Non-hazardous
      17.04.02 aluminium
06.24 Copper waste
   0 No-hazardous
      17.04.01 copper, bronze, brass
      17.04.08 cables
06.25 Lead waste
   0 Non-hazardous
      17.04.03 lead
06.26 Other metal wastes
   0 Non-hazardous
      12.01.03 non-ferrous metal filings and turnings
      12.01.04 other non-ferrous metal particules
      17.04.04 zinc
      17.04.06 tin

06.3 Mixed metal wastes
06.31 Mixed metallic packaging
   0 Non-hazardous
      15.01.04 metallic
      20.01.05 small metals (cans etc)
      20.01.06 other metals
06.32 Other mixed metallic wastes
   0 Non-hazardous
      10.10.99 wastes not otherwise specified
      17.04.07 mixed metals

07 Non-metallic wastes
07.1 Glass wastes
07.11 Glass packaging
   0 Non-hazardous
      20.01.02 glass
07.12 Other glass wastes
   0 Non-hazardous
      10.11.02 waste glass
      17.02.02 glass

07.2 Paper and cardboard wastes
07.21 Waste paper and cardboard packaging
0 Non-hazardous
15.01.01 paper and cardboard
07.22 Waste composite packaging carton
07.23 Other paper and cardboard wastes
0 Non-hazardous
03.03.06 fibre and paper sludge
03.03.99 wastes not otherwise specified
20.01.01 paper and cardboard

07.3 Rubber wastes
07.31 Used tyres
0 Non-hazardous
16.01.03 used tyres
07.32 Other rubber wastes

07.4 Plastic wastes
07.41 Plastic packaging wastes
0 Non-hazardous
15.01.02 plastic
07.42 Other plastic wastes
0 Non-hazardous
02.01.04 waste plastics (excluding packaging)
12.01.05 plastics particles
16.02.07 waste from the plastic convertor industry
17.02.03 plastic
20.01.03 small plastics
20.01.04 other plastics

07.5 Wood wastes
07.51 Wood packaging
0 Non-hazardous
15.01.03 wooden
07.52 Sawdust and shavings
0 Non-hazardous
03.01.02 sawdust
03.01.03 shavings, cuttings, spoiled timber/particle board/veneer
07.53 Other wood wastes
0 Non-hazardous
03.01.01 waste bark and cork
03.03.01 bark
17.02.01 wood
20.01.07 wood

07.6 Textile wastes
07.61 Worn clothing
07.62 Miscellaneous textiles wastes
0 Non-hazardous
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)
04.02.12 non-halogenated wastes from dressing and finishing
15.02.01 absorbents, filter materials, wiping cloths, protective clothing
20.01.10 clothes
20.01.11 textiles

1 Hazardous
04.02.11 halogenated wastes from dressing and finishing

07.63 Leather wastes

0 Non-hazardous
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

08 Discarded equipment

08.1 Discarded vehicles
08.11 Discarded private cars
0 Non-hazardous
20.03.05 end of life vehicles
08.12 Other discarded vehicles
0 Non-hazardous
16.01.04 discarded vehicles

08.2 Discarded electrical and electronic equipment
08.21 Discarded major household equipment
08.22 Discarded minor household equipment
08.23 Other discarded electrical and electronic equipment
0 Non-hazardous
09.01.09 single-use cameras with batteries
09.01.10 single use cameras without batteries
16.02.02 other discarded electronic equipment (eg printed circuit boards)
20.01.24 electronic equipment (eg printed circuit boards)

08.3 Bulky household equipment
08.31 Bulky household equipment

08.4 Discarded machines and equipment components
08.41 Batteries and accumulators wastes
0 Non-hazardous
16.06.04 alkaline batteries
16.06.05 other batteries and accumulators
20.01.20 batteries

1 Hazardous
### 08.42 Spent catalytic equipment

<table>
<thead>
<tr>
<th>Hazardous</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>09 Animal and vegetal wastes</td>
<td></td>
</tr>
<tr>
<td>09.1 Waste of food preparation and products</td>
<td></td>
</tr>
<tr>
<td>09.11 Animal waste of food preparation and products</td>
<td></td>
</tr>
<tr>
<td>0 Non-hazardous</td>
<td></td>
</tr>
<tr>
<td>02.02.01</td>
<td>transformers and capacitors containing PCB or PCTs</td>
</tr>
<tr>
<td>16.06.01</td>
<td>lead batteries</td>
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<td>16.06.02</td>
<td>Ni-Cd batteries</td>
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<tr>
<td>16.06.03</td>
<td>mercury dry cells</td>
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<td>08.43 Other discarded machines and equipment components</td>
<td></td>
</tr>
<tr>
<td>0 Non-hazardous</td>
<td></td>
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<tr>
<td>02.01.01</td>
<td>catalysts removed from vehicles containing precious metals</td>
</tr>
<tr>
<td>02.01.02</td>
<td>other catalysts removed from vehicles</td>
</tr>
<tr>
<td>09.12 Vegetal waste of food preparation and products</td>
<td></td>
</tr>
<tr>
<td>0 Non-hazardous</td>
<td></td>
</tr>
<tr>
<td>02.01.01</td>
<td>sludges from washing and cleaning</td>
</tr>
<tr>
<td>02.01.02</td>
<td>animal tissue waste</td>
</tr>
<tr>
<td>02.02.01</td>
<td>sludges from washing and cleaning</td>
</tr>
<tr>
<td>02.02.02</td>
<td>animal tissue waste</td>
</tr>
<tr>
<td>02.03.01</td>
<td>sludges from washing, cleaning, peeling, centrifuging and separation</td>
</tr>
<tr>
<td>02.03.04</td>
<td>materials unsuitable for consumption or processing</td>
</tr>
<tr>
<td>02.03.99</td>
<td>wastes not otherwise specified</td>
</tr>
<tr>
<td>02.04.99</td>
<td>wastes not otherwise specified</td>
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<tr>
<td>02.07.01</td>
<td>wastes from washing, cleaning and mechanical reduction of the raw material</td>
</tr>
<tr>
<td>02.07.05</td>
<td>sludges from on-site effluent treatment</td>
</tr>
<tr>
<td>09.13 Mixed waste of food preparation and products</td>
<td></td>
</tr>
<tr>
<td>0 Non-hazardous</td>
<td></td>
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<td>02.01.99</td>
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<tr>
<td>02.02.99</td>
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<td>02.03.04</td>
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<td>02.04.99</td>
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<td>02.06.01</td>
<td>materials unsuitable for consumption or processing</td>
</tr>
<tr>
<td>02.07.04</td>
<td>materials unsuitable for consumption or processing</td>
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</tbody>
</table>
20.01.08 organic compostable kitchen waste (including frying oil and kitchen waste from canteens and restaurants)
20.01.09 oil and fat

09.2 Green wastes
  09.21 Green wastes
    0 Non-hazardous
    02.01.07 waste from forestry exploitation
    20.02.01 compostable wastes

09.3 Slurry and manure
  09.31 Slurry and manure
    0 Non-hazardous
    02.01.06 animal feces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site

10 Mixed ordinary wastes
  10.1 Household and similar wastes
    10.11 Household wastes
      0 Non-hazardous
      20.03.01 mixed municipal waste
    10.12 Street cleaning wastes
      0 Non-hazardous
      20.03.02 waste from markets
      20.03.03 street cleaning residues

10.2 Mixed and undifferentiated materials
  10.21 Mixed packaging
    0 Non-hazardous
    15.01.06 mixed
  10.22 Other mixed and undifferentiated materials
    0 Non-hazardous
    02.06.99 wastes not otherwise specified
    02.07.99 wastes not otherwise specified
    09.01.08 photographic film and paper free of silver or silver compounds
    09.01.99 wastes not otherwise specified
    10.01.99 wastes not otherwise specified
    10.06.99 wastes not otherwise specified
    10.07.99 wastes not otherwise specified
    10.08.99 wastes not otherwise specified
    11.04.01 other inorganic wastes with metals not otherwise specified
    12.01.13 welding wastes
    12.01.99 wastes not otherwise specified
    12.02.01 spent blasting grit
    15.01.05 composite packaging
    16.03.01 inorganic off-specification batches
    16.03.02 organic off-specification batches
    16.07.07 solid wastes from ship cargoes
    16.07.99 waste not otherwise specified
    18.01.04 wastes whose collection and disposal is not subject to special requirements in view of the prevention of infection (eg dressing, plaster casts, linen, disposable clothing, diapers)
18.02.03 wastes whose collection and disposal is not subject to special requirements in view of the prevention of infection
19.04.04 aqueous liquid waste from vitrified waste tempering

10.3 Sorting residues
10.31 Vehicle shredder wastes
0 Non-hazardous
16.01.05 light fraction from automobile shredding

10.32 Other sorting residues
0 Non-hazardous
03.03.07 rejects from paper and cardboard recycling
16.02.08 shredder residues
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
19.08.01 screenings

11 Common sludges
11.1 Waste water treatment sludges
11.11 Sludges from treatment of public sewerage water
0 Non-hazardous
19.08.05 sludges from treatment of urban waste water

11.12 Biodegradable sludges from treatment of other waste water
0 Non-hazardous
02.02.04 sludges from on-site effluent treatment
02.03.05 sludges from on-site effluent treatment
02.04.03 sludges from on-site effluent treatment
02.05.02 sludges from on-site effluent treatment
02.06.03 sludges from on-site effluent treatment
05.02.02 waste from cooling columns
05.02.99 wastes not otherwise specified
05.06.04 waste from cooling columns
19.08.04 sludges from the treatment of industrial waste water
19.08.99 wastes not otherwise specified

11.2 Sludges from purification of drinking and process water
11.21 Sludges from purification of drinking and process water
0 Non-hazardous
05.02.01 boiler feedwater sludges
19.09.02 sludges from water clarification
19.09.99 wastes not otherwise specified

11.3 Unpolluted dredging spoils
11.31 Unpolluted dredging spoils
0 Non-hazardous
17.05.02 dredging spoil

11.4 Cesspit contents
11.41 Cesspit contents
0 Non-hazardous
20.03.04 septic tank sludge
12 Mineral wastes

12.1 Construction and demolition wastes

12.1.1 Concrete, bricks and gypsum waste

0 Non-hazardous

10.12.99 wastes not otherwise specified
10.13.03 wastes from other cement-based composite materials
10.13.99 wastes not otherwise specified
17.01.01 concrete
17.01.02 bricks
17.01.04 gypsum based construction materials

12.1.2 Waste hydrocarbonised road-surfacing material

0 Non-hazardous

17.03.01 asphalt containing tar
17.03.02 asphalt (not containing tar)
17.03.03 tar and tar products

1 Hazardous

17.06.01 insulation materials containing asbestos

12.1.3 Mixed construction wastes

0 Non-hazardous

17.06.02 other insulation materials
17.07.01 mixed construction and demolition waste

12.2 Asbestos wastes

12.2.1 Asbestos wastes

0 Non-hazardous

10.13.02 wastes from asbestos-cement manufacture
16.02.04 discarded equipment containing free asbestos
16.02.06 wastes from the asbestos processing industry
17.01.05 asbestos based construction materials

1 Hazardous

06.07.01 wastes containing asbestos from electrolysis

12.3 Waste of naturally occurring minerals

12.3.1 Waste of naturally occurring minerals

0 Non-hazardous

01.01.01 waste from mineral metaliferous excavation
01.01.02 waste from mineral non-metaliferous excavation
01.02.01 waste from the dressing of metaliferous minerals
01.02.02 waste from the dressing of non-metaliferous minerals
01.03.01 tailings
01.03.02 dusty and powdery waste
01.03.03 red mud from the alumina production
01.03.99 wastes not otherwise specified
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
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<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>01.05.04</td>
<td>fresh-water drilling muds and wastes</td>
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<tr>
<td>02.04.01</td>
<td>soil from cleaning and washing beet</td>
</tr>
<tr>
<td>08.02.02</td>
<td>aqueous sludges containing ceramic materials</td>
</tr>
<tr>
<td>10.11.01</td>
<td>waste preparation mixture before thermal processing</td>
</tr>
<tr>
<td>10.12.01</td>
<td>waste preparation mixture before thermal processing</td>
</tr>
<tr>
<td>10.13.01</td>
<td>waste preparation mixture before thermal processing</td>
</tr>
<tr>
<td>17.05.01</td>
<td>soil and stones</td>
</tr>
<tr>
<td>19.01.99</td>
<td>wastes not otherwise specified</td>
</tr>
<tr>
<td>19.08.02</td>
<td>wastes from desanding</td>
</tr>
<tr>
<td>19.09.01</td>
<td>solid wastes from primary filtration and screening</td>
</tr>
<tr>
<td>20.02.02</td>
<td>soil and stones</td>
</tr>
<tr>
<td>20.02.03</td>
<td>other non-compostable wastes</td>
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</table>

12.4 Combustion wastes

12.41 Waste from flue gas purification

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<tr>
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<td>calcium based reaction wastes from flue gas desulphurisation in solid form</td>
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<tr>
<td>10.01.06</td>
<td>other solid wastes from gas treatment</td>
</tr>
<tr>
<td>10.01.07</td>
<td>calcium based reaction wastes from flue gas desulphurisation in sludge form</td>
</tr>
<tr>
<td>10.01.08</td>
<td>other sludges from gas treatment</td>
</tr>
<tr>
<td>10.02.03</td>
<td>solid wastes from gas treatment</td>
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<td>sludges from gas treatment</td>
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<td>10.03.11</td>
<td>flue gas dust</td>
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<tr>
<td>10.03.13</td>
<td>solid waste from gas treatment</td>
</tr>
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<td>10.03.14</td>
<td>sludges from gas treatment</td>
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<tr>
<td>10.07.03</td>
<td>solid waste from gas treatment</td>
</tr>
<tr>
<td>10.07.05</td>
<td>sludges from gas treatment</td>
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<tr>
<td>10.08.03</td>
<td>flue gas dust</td>
</tr>
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<td>10.08.05</td>
<td>solid waste from gas treatment</td>
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<tr>
<td>10.08.06</td>
<td>sludges from gas treatment</td>
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<td>10.11.04</td>
<td>flue gas dust</td>
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<td>10.11.06</td>
<td>solid waste from gas treatment</td>
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<tr>
<td>10.11.07</td>
<td>sludges from gas treatment</td>
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<td>solid waste from gas treatment</td>
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<tr>
<td>10.13.07</td>
<td>sludges from gas treatment</td>
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1 Hazardous

<table>
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<td>solid waste from gas treatment</td>
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<tr>
<td>10.04.07</td>
<td>sludges from gas treatment</td>
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<td>10.05.03</td>
<td>flue gas dust</td>
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<tr>
<td>10.05.05</td>
<td>solid waste from gas treatment</td>
</tr>
<tr>
<td>10.05.06</td>
<td>sludges from gas treatment</td>
</tr>
<tr>
<td>10.06.03</td>
<td>flue gas dust</td>
</tr>
<tr>
<td>10.06.06</td>
<td>solid waste from gas treatment</td>
</tr>
<tr>
<td>10.06.07</td>
<td>sludges from gas treatment</td>
</tr>
</tbody>
</table>
19.01.06 aqueous liquid waste from gas treatment and other aqueous liquid wastes
19.01.07 solid waste from gas treatment
19.04.02 fly ash and other flue gas treatment wastes

12.42 Slags and ashes from thermal treatment and combustion

0 Non-hazardous

06.09.02 phosphorous slag
10.01.01 bottom ash
10.01.02 coal fly ash
10.01.03 peat fly ash
10.01.11 aqueous sludges from boiler cleansing
10.02.01 waste from the processing of slag
10.02.02 unprocessed slag
10.02.05 other sludges
10.03.12 other particulates and dust (including ball mill dust)
10.03.99 wastes not otherwise specified
10.05.04 other particulates and dust
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
10.07.01 slags (first and second smelting)
10.07.02 dross and skimmings (first and second smelting)
10.07.04 other particulates and dust
10.08.01 slags (first and second smelting)
10.08.02 dross and skimmings (first and second smelting)
10.08.04 other particulates and dust
10.09.03 furnace slag
10.10.03 furnace slag
10.10.04 furnace dust
10.11.05 other particulates and dust
10.12.03 other particulates and dust
10.12.04 solid waste from gas treatment
19.01.01 bottom ash and slag
19.01.08 pyrolysis wastes

1 Hazardous

10.01.04 oil fly ash
10.03.03 skimmings
10.03.04 primary smelting slags/white drosses
10.03.09 black drosses from secondary smelting
10.04.01 slags (first and second smelting)
10.04.02 dross and skimmings (first and second smelting)
10.04.03 calcium arsenate
10.04.05 other particulates and dust
10.05.01 slags (first and second smelting)
10.05.02 dross and skimmings (first and second smelting)
19.01.03 fly ash
19.01.04 boiler dust

12.5 Various mineral wastes
12.51 Artificial mineral wastes

0 Non-hazardous

02.04.02 off specification calcium carbonate
02.07.02 wastes from spirits distillation
06.09.01 phosphogypsum
06.11.01 gypsum from titanium dioxide production
08.02.03 aqueous suspensions containing ceramic materials
10.02.99 wastes not otherwise specified
10.03.05 alumina dust
10.04.99 wastes not otherwise specified
10.05.99 wastes not otherwise specified
10.11.03 waste glass-based fibrous materials
10.11.99 wastes not otherwise specified
10.13.04 waste from calcination and hydration of lime
10.13.06 other particulates and dust
17.01.03 tiles and ceramics

12.52 Waste refractory materials

0 Non-hazardous

10.01.12 spent linings and refractories
10.02.06 spent linings and refractories
10.03.06 used carbon strips and fireproof materials from electrolysis
10.04.08 spent linings and refractories
10.05.07 spent linings and refractories
10.06.08 spent linings and refractories
10.07.06 spent linings and refractories
10.08.07 spent linings and refractories
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
10.09.04 furnace dust
10.09.99 wastes not otherwise specified
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
10.11.08 spent linings and refractories
10.12.07 spent linings and refractories
10.13.08 spent linings and refractories

1 Hazardous

10.03.07 spent pot linings
19.01.10 spent activated carbon from flue gas treatment

12.6 Contaminated soils and polluted dredging spoils

12.61 Polluted soils and rubble

1 Hazardous

05.01.05 oil spills

12.62 Polluted dredging spoils

13 Solidified, stabilised or vitrified waste
13.1 Solidified or stabilised waste

13.11 Solidified or stabilised waste

0 Non-hazardous

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

13.2 Vitrified wastes

13.21 Vitrified wastes

0 Non-hazardous

19.04.01 vitrified wastes


FINANCIAL STATEMENT

1. **TITLE OF OPERATION**


2. **BUDGET HEADING(S) INVOLVED**

B4-3 0 4 and B5-6 0 0

3. **LEGAL BASIS**

Article 285 of the Treaty establishing the European Community

4. **DESCRIPTION OF OPERATION**

4.1 **General objective**

The general objective of the European Parliament and Council Regulation is to establish a Community statistical infrastructure on waste generation, collection, recovery, and disposal in the Member States.

The Regulation includes pilot projects, which will be carried out by Member States. The results of these surveys may amend the Regulation.

4.2 **Period covered and arrangements for renewal**

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

(A) The data collection on waste incineration and final disposal by specialist waste disposal operators will be done yearly, starting for the reference year, which is two years after publication of the Regulation in the Official Journal of the European Communities.

(B) The data collection on waste generation, collection and recovery and waste incineration and final disposal other than by specialist waste disposal operators will be produced every third year, starting for the reference year, which is two years after publication of the Regulation in the Official Journal of the European Communities.
5. **CLASSIFICATION OF EXPENDITURE OR REVENUE**

5.1 Compulsory/Non-compulsory expenditure

5.2 Differentiated/Non-differentiated appropriations

5.3 Type of revenue involved

Sale of publications.

6. **TYPE OF EXPENDITURE OR REVENUE**

Subsidy:

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

The pilot projects will be financed by the Community up to 100% of the costs for conducting the surveys.

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.

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

- Utilisation of administrative sources and development of an information system on waste data;
- Survey on waste generation and collection (possibly);
- Survey on waste recovery and disposal (possibly);
- Specific pilot studies (voluntary)
- Information Technology hardware; and
- Processing of data and development of software tools.

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 disposal and once in the three years for waste generation, collection and recovery).
Eurostat’s costs:

For the development of the waste statistic system (including development of software, procedures for data validation and analysis, routinization of data change, methodological help to Member States, etc.) Eurostat requires 500 k€. For the regular production of the statistics, after the development of the system, 70 k€ is required every 3-year period starting in 2005. And for the conducting of the pilot studies Eurostat requires 1 500 k€.

According to an agreement with DG ENV (budgetline B4-304), 50% of the total costs (2070 k€) is financed by DG ENV.

7.2 **Itemised breakdown of cost**

<table>
<thead>
<tr>
<th>Commitment appropriations EUR million (at current prices)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Breakdown</strong></td>
</tr>
<tr>
<td>----------------------------------------------------------</td>
</tr>
<tr>
<td>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.)</td>
</tr>
<tr>
<td>Regular production (collection, validation, dissemination)</td>
</tr>
<tr>
<td>Yearly collection (disposal)</td>
</tr>
<tr>
<td>Three-yearly collection</td>
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<tr>
<td>Pilot Studies</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>
7.3  Operational expenditure for studies, experts etc. included in Part B of the budget

Commitment appropriations EUR million (at current prices)

<table>
<thead>
<tr>
<th></th>
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<th>n+1</th>
<th>n+2</th>
<th>n+3</th>
<th>n+4</th>
<th>n+5 and subs. yrs</th>
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<tr>
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<td></td>
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<tr>
<td>– Meetings of experts</td>
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<td>– Information and publications</td>
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</table>

7.4  Schedule of commitment and payment appropriations

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<thead>
<tr>
<th></th>
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<th>n+3</th>
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<tr>
<td>year n</td>
<td>n+1</td>
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<td>n+4</td>
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<td>0.31</td>
<td>0.35</td>
<td>0.01</td>
<td>2.07</td>
</tr>
</tbody>
</table>

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.

Costs satisfying the criteria in the Commission Communication of 22.4.1992 (SEC(92) 769).
9. ELEMENTS OF COST-EFFECTIVENESS ANALYSIS

9.1 Specific and quantified objectives; target population

Specific objectives: links with general objective

The main objective of the Draft Regulation on Waste Statistics is to establish a harmonized information system on waste generation, collection, 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 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:

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

Member States;

General public (businesses, science, associations etc.)

9.2 Grounds for the operation

European waste 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 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.

Requirements in terms of human and administrative resources are covered within the allocation granted to the managing services.

10.1 **Effect on the number of posts**

<table>
<thead>
<tr>
<th>Type of post</th>
<th>Staff to be assigned to managing the operation</th>
<th>Source</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Permanent posts</td>
<td>Temporary posts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Existing resources in the DG or department concerned</td>
<td>Additional resources</td>
<td></td>
</tr>
<tr>
<td>Officials or temporary staff</td>
<td>A 1 1 (consultant)</td>
<td>1 1</td>
<td>permanent</td>
</tr>
<tr>
<td>Other resources</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>3</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

10.2 **Overall financial impact of additional human resources**

<table>
<thead>
<tr>
<th></th>
<th>Amounts</th>
<th>Method of calculation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Officials</td>
<td>216 000</td>
<td>2 x 108 000 per year</td>
</tr>
<tr>
<td>Temporary staff</td>
<td>78 000</td>
<td>12 months x 6 500</td>
</tr>
<tr>
<td>Other resources (indicate budget heading)</td>
<td>78 000</td>
<td>12 months x 6 500</td>
</tr>
<tr>
<td>Total</td>
<td>294 000</td>
<td></td>
</tr>
</tbody>
</table>
### 10.3 Increase in other administrative expenditure as a result of the operation

<table>
<thead>
<tr>
<th>EUR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Budget heading</td>
</tr>
<tr>
<td>---------------</td>
</tr>
<tr>
<td>Total</td>
</tr>
</tbody>
</table>


IMPACT ASSESSMENT FORM

THE IMPACT OF THE PROPOSAL ON BUSINESS WITH SPECIAL REFERENCE TO SMALL AND MEDIUM-SIZED ENTERPRISES (SMEs)

TITLE OF PROPOSAL
DRAFT EUROPEAN PARLIAMENT AND COUNCIL REGULATION ON WASTE STATISTICS

DOCUMENT REFERENCE NUMBER
98015

INTRODUCTION
Compared with the original Commission proposal for the ‘Council Regulation on Waste Management Statistics’ (COM 1999,31 final), the revised version has been changed in order to reduce data requirements and to provide greater flexibility in data reporting. Some of the more difficult areas (import and export of waste, packaging waste, preparatory waste treatment methods) have been transferred to pilot studies, the results of which will help assess the relevance and feasibility of obtaining data in these areas. The pilot studies are voluntary for Member States.

The differences between the proposals are further described in the Explanatory Memorandum.

The effect of the revised version on enterprises is positive as it will lead to less burdensome reporting than the original proposal. The impact of the new proposal on business is further described below.

THE PROPOSAL
In order to carry out its tasks in the field of waste management as defined in the Fifth Environmental Action Programme and in the subsequent directives and regulations, the Commission needs to have comparable information on waste generated, waste recovered/recycled and waste finally disposed.

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

Most of the Member States are still building up waste control and information systems in accordance with national and European legislation. For this reason it is urgent to promote a clear definition of the information necessary at European level in order to avoid the establishment of information systems producing non-comparable data.
THE IMPACT ON BUSINESS

Three different data sets will be requested. These data sets are laid down in Annexes I and II of the revised draft Regulation and refer to different coverage of business sectors. This coverage is explained for each Annex as follows:

The business coverage for the topic 'generation of waste' (Annex I; 3-yearly reporting) includes all economic activities except the activities 'agriculture', 'hunting', 'fishing', 'forestry' and 'mining of uranium and thorium ores', according to NACE Rev 1 statistical classification of economic activities.

The business coverage for the topic 'recovery and disposal of waste' (Annex II) includes all recovery and disposal facilities which run a waste treatment operation and which belong to or are part of the economic activities as mentioned above. The reporting is annual for facilities which run the operations of incineration, co-combustion and landfilling (disposal) of waste as their main operating activity (specialists). For facilities running recovery operations or for which disposal operations are not their main activity (non-specialists), the reporting is 3-yearly. Facilities that run recycling operations for their own generated waste are excluded.

The Member States can acquire the data necessary for the fulfilment of the requirements of these statistics by means of surveys, administrative sources, or statistical estimation procedures. In cases where information on these treatment operations is already collected or will be collected in the near future by supervising authorities (either in accordance with EU legislation or in accordance with additional national legislation) there will be no additional burden on businesses.

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 revised draft Regulation on waste statistics. That means data have to be collected primarily from either administrations acting in the field of waste collection and treatment or from environmental control authorities.

Enterprises of less than 10 employees are excluded from the surveys, unless they contribute significantly to the generation of waste, according to Article 3, paragraph 2. As the revised draft Regulation on waste 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 from large enterprises if no administrative sources are available. The waste generation of the SMEs can then be estimated under the assumption that the waste amounts are related to employment. The aim should be to reach the coverage criteria for each necessary survey by first including the large enterprises and then the medium and small enterprises.

The instrument 'coverage criteria' has been introduced 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.

Data have to be produced at NUTS 1 and 2 level for waste recovery and disposal. There is already EU legislation containing data requests for facilities which are treating hazardous and non-hazardous wastes. The data requests for the Waste Statistics Regulation can be based on this information if it is suitable.
The Member States are free to choose to use surveys. Businesses selected will be asked to give information concerning waste generated and/or waste recovered or disposed of.

As the Regulation on waste statistics aims to harmonise waste reporting in general and focuses above all on existing administrative information, Member States can choose to base their statistics on administrative data already furnished by businesses to the competent authorities.

A priority aim of the proposal is to deliver information on waste amounts produced by waste types, and information on waste recycling by corresponding waste types and waste treatment facilities. This information will give a coherent overview of existing waste management and its potential which are now nearly hidden. It will thus help to optimise investments in waste management facilities. Coherent information from structural business statistics and from waste statistics will make it possible to increase the efficiency of production and waste management.

As already stated, according to Article 3, paragraph 2, of the proposal, enterprises with less than 10 employees are excluded from surveys necessary to fulfil the reporting requirements. In specific cases the minimum coverage may not be reached without the inclusion of small enterprises (less than 10 employees). In most of these cases hazardous waste is involved, the notification of which has usually been given to the authorities; no extra burden on enterprises is then imposed. Economic activities where smaller enterprises could contribute significantly to the waste generation are for instance 'Recycling (Nace 37)', and several activities in Nace F-Q, for instance 'Building completion', 'Maintenance and repair of motor vehicles', 'Wholesale in waste and scrap', 'Industrial cleaning', and 'Photographic activities'. The proposed Regulation is constructed to ensure that administrative data should be used for waste statistics.

**CONSULTATION**

The following entities were consulted and positive comments received by them before adoption of the Commission proposal for the 'Council Regulation on Waste Management Statistics' (COM 1999,31 final): the SPC, DG ENV, the European Environment Agency (EEA) and the European Topic Centre on Waste (ETC/W);

The proposal was presented several times to the regular FEBI-FEBS-EUROSTAT meeting on statistical information.

'The Economic and Social Committee' adopted its opinion on 22 September 1999.