

**European Neighbourhood Partnership Instrument (Eastern Region)**

Waste Governance – ENPI East

## **Working Paper 10**

# **Instruction On Recording And Submission Of Waste And Waste Management Data And Information**

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# Waste Governance – ENPI East

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### **Instruction On Recording And Submission Of Waste And Waste Management Data And Information - Draft**

# What is ENPI?

The **European Neighbourhood Policy (ENP)** was developed in 2004, with the objective of avoiding the emergence of new dividing lines between the enlarged EU and its neighbours, and instead strengthening the prosperity, stability, and security of all concerned. The ENP goes beyond existing relationships to offer a deeper political relationship and economic integration. The level of ambition of the relationship will depend on the extent to which these values are shared. The ENP remains distinct from the process of enlargement although it does not prejudge, for European neighbours, how their relationship with the EU may develop in future, in accordance with Treaty provisions.

Until 31 December 2006, EC assistance to the countries of the European Neighbourhood Policy was provided under various geographical programmes, including Tacis - for the EU's eastern neighbours and Russia – and MEDA for the EU's southern neighbours. From 1 January 2007 onwards, as part of the reform of EC assistance instruments, MEDA and TACIS have been replaced by a single instrument – the **European Neighbourhood and Partnership Instrument (ENPI)**. This is a much more flexible, policy-driven instrument. It is designed to target sustainable development and approximation to EU policies and standards - supporting the agreed priorities within the Partner Countries. For 2007-2013, approximately €12 billion in EC funding is available to support these partners' reforms.

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# Executive Summary

This document has been prepared following the assessment of waste classification systems in each of the ENPI-East countries. Based on this assessment, it is clear that:

- Countries wish to upgrade their waste classification systems in accordance with international practice.
- Countries begin from different places and have different priorities in what they consider as necessary or as priority for enhancing their waste classification systems.
- The way in which waste classification systems can best be enhanced in the ENPI East countries varies between countries.

Accordingly, this document sets out a “model instruction” that countries may adopt in whole or in part to enhance their waste classification system in accordance with international norms and, specifically, in ways that are consistent with waste classification in the EU. The “model instruction” has been developed in the format of a legal instrument that can be adapted by countries to fit their requirements and the formats of their legal documents.

The “model instruction” addresses:

- General provisions
- Responsibilities of holders of waste for preparing and submitting waste and waste management data and information
- Classification of waste
- Management of waste and waste management data
- Public access to waste and waste management information
- Monitoring, compliance and enforcement
- Sanctions
- Miscellaneous provisions.

# 1. Introduction

This document has been prepared to assist countries in the ENPI-East region to respond to the project requirement that, as a consequence of the project, there should be in the ENPI region:

*“An adopted common waste classification approach in the region that accords with international standards, is compatible with EU standards, and supplements the existing waste classification systems”.*

The document takes the form of a “Model Instruction” that sets out a model legal framework for the classification and reporting of waste that accords with international standards, and is compatible with EU standards. The “Model Instruction” can be adapted in whole or in part to the requirements of each ENPI-East country, as appropriate to the needs of the country.

The preparation of the document has benefited from discussion and consultation with project staff in each ENPI East country.

The following is noted with respect to this document:

1. For the purpose of the “model instruction”, it is assumed that the entity responsible for implementing waste classification requirements will be the national entity responsible for ensuring acceptable environmental quality in the country. The “model instruction” refers to this entity as the “Ministry of the Environment”. Adaptation of this “model instruction” to the requirements of individual countries will need to include proper identification of the appropriate implementing entity.
2. The number of forms that need to be completed by those who must report waste has been kept to a minimum. However, a proper implementation of this Instruction – *supported by the capacity of the Ministry of the Environment to manage the data* – will result in an effective reporting of waste and waste management, and this will support the environmental protection goals of each country, and will facilitate policy decisions and decisions regarding investment requirements for waste management.
3. Modifications that may be made to one component of the Instruction may require adjustments to other components in order to ensure that the modified Instruction is coherent. Careful review of all modifications is therefore required.
4. The two forms that appear in Annex I have been formatted to fit onto 1 page in the English language. It is very important that the forms fit onto one page in the local language. Forms that take more than one page will cause confusion and will not be completed properly. Time and effort may be required to ensure the proper formatting.
5. The sanctions set out in Part VII of the instruction approximate sanctions in eastern EU member states and respond to the EU principle that sanctions are a necessary component of proper waste management regulation and that they should be *“effective, proportionate and dissuasive”*.
6. The sanctions that are identified in this document are expressed in Euro and provide the Minister with discretion over when the sanctions will be used. In addition, the sanctions are modest as units (i.e. the amounts of 50 and 500 Euro are not large), but the Instruction

provides that the longer that a holder of waste does not comply with the Instruction, the greater the amount of the sanction. In accordance with EU policy that sanctions should be “effective, proportionate and dissuasive”, the sanctions identified in the “model instruction” are “effective” because the Minister can act promptly, “proportionate” because the amount of the sanction increases the longer an entity fails to comply, and “dissuasive” because an entity will understand that it is subject to larger sanctions the longer it remains out of compliance and will therefore want to ensure compliance.

## **2. Model Instruction On Recording And Submission Of Waste And Waste Management Data And Information**

### **Part I. General Provisions**

Art. 1. This Instruction sets out: (i) the responsibility of holders of waste for preparing and submitting waste and waste management data and information; (ii) the procedures for submitting waste and waste management data and information; (iii) the entities who have authority to receive waste and waste management data and information; (iv) how waste and waste management data and information will be managed; (v) public access to waste and waste management data and information; (vi) monitoring and enforcement of compliance with waste and waste management data and information; and (vii) sanctions for failure of entities to supply waste and waste management data and information in accordance with this Instructions.

### **Part II. Responsibilities of Holders of Waste for Preparing and Submitting Waste and Waste Management Data and Information**

Art 2. Holders of waste shall:

- (i) Prepare a record of each type of waste they generate or receive and the management of the waste for which they are the holder in accordance using Form 1 or Form 2 in Annex I.
- (ii) Submit the record of each type of waste they generate and its management on or before the last day of January, April, July, and October for the 3 months preceding the first day of each of these months.

Art. 3 Individuals and households are exempt from the requirements of Article 2.

Art. 4 Small commercial, institutional or other entities whose waste is collected by local public administrative entities are exempt from the requirements of Article 2.

Art. 5 Local public administrative entities that are responsible for waste management are deemed to be the holders of waste for the purposes of:

- (i) Preparing waste and waste management records of household waste and waste from commercial and institutional entities from which they collect waste or from which entities under contract to the local public administrative entity collect waste.
- (ii) Submission of waste and waste management data and information in accordance with Article 2.

Art. 6 Entities responsible for preparing records of waste and waste management will retain each record for 1 year for non-hazardous wastes and 3 years for hazardous wastes and will promptly make such records available to the Ministry of the Environment upon request.

- Art. 7 Holders of waste responsible for submitting waste and waste management data will use Form 1 and Form 2 in Annex I to submit the required data and information to the local office of the Ministry of the Environment.
- Art. 8 Holders of waste may submit Form 1 and Form 2 on paper or electronically, according to the requirements of the Ministry of the Environment.

### **Part III Classification of Waste**

- Art. 9 Holders of waste responsible for preparing records of waste and waste management will classify their waste in accordance with the List of Waste identified in Annex II. Holders of waste will report their waste using the 6 digit classification number for their waste that is identified in the List of Waste in Annex II.
- Art. 10 Holders of waste responsible for preparing records of waste and waste management will classify each type of waste as either “hazardous” or “non-hazardous”. Waste is “hazardous” if it:
- (i) Is identified as “hazardous” in Annex II; or
  - (ii) Meets one or more of the criteria for hazardous waste set out in Annex III
- Art. 11 Holders of waste will test their wastes as necessary to determine the correct type of waste and whether a waste is hazardous in accordance with the criteria of Annex III. Where holders of waste test their waste in accordance with this Article, they will use the appropriate methodology identified in EU Regulation EC 1907/2006 and the technical standards of the European Committee for Standardization.
- Art. 12 Holders of waste who test their waste in accordance with Article 10 will use laboratories with the technical and human capacities and accreditations to properly perform the tests.
- Art. 13 Waste that is classified in accordance with the List of Waste in Annex II or the hazardous waste characteristics identified in Annex III will not be reclassified unless the holder of the waste can demonstrate that the Ministry of the Environment has agreed in writing that the waste should be reclassified because of an error in the previous classification, or because the waste either:
- (i) Is a different type of waste according to the List of Waste Annex II; or
  - (ii) No longer has the characteristics that initially caused the waste to be classified as hazardous waste according to the criteria in Annex III; or
  - (iii) A change in the definition of “hazardous waste” results in the waste no longer meeting the criteria for management as hazardous waste.
- Art. 14 A holder of waste who submits a report that includes a change in the classification of a waste will include a written justification for the change in the classification with the first report containing the change in waste classification that they submit to the Ministry of the Environment.

#### **Part IV Management of Waste and Waste Management Data**

Art. 15 The local office of the Ministry of the Environment will forward waste and waste management data and information they receive from holders of waste to the central office of the Ministry of the Environment.

Art. 16 The central office of the Ministry of the Environment will review waste and waste management data and information and will:

- (i) Identify deficiencies in the data and information that has been submitted.
- (ii) Use the data and information that has been submitted for monitoring the performance of waste management or other environmental initiatives, developing policy, planning new initiatives and for other initiatives to protect the environment that may be deemed appropriate by the Minister.

Art. 17 The central office of the Ministry of the Environment will forward the waste and waste management data and information to the national agency responsible for statistics for inclusion into the reporting of aggregated statistics.

Art. 18 Data and information on waste and waste management will be published from time to time by the Ministry of the Environment and the national agency responsible for statistics.

#### **Part V Public Access to Waste and Waste Management Information**

Art. 19 The central office of the Ministry of the Environment will provide data and information on waste and waste management to the public in response to a written request.

Art. 20. A holder of waste may request that information about specific wastes not be released to the public if the release of the information would provide information concerning a process that is proprietary to it and for which it holds a patent.

#### **Part VI Monitoring, Compliance and Enforcement**

Art. 21 The inspection authorities of the Ministry of the Environment may enter a premises at any time for the purpose of inspecting records of waste and waste management. Where such entry is made to a premises, the entry will be made without prior notice to the holder of waste or the staff of the holder of waste.

Art. 22 The central office of the Ministry of the Environment will advise the inspection authorities of the Ministry of the Environment regarding deficiencies in the data and information that has been received from waste holders, and will request those authorities to take the steps necessary in accordance with this Instruction to ensure the submission of proper data.

Art. 23 The inspection authorities of the Ministry of the Environment will request in writing that holders of waste correct deficiencies in their waste records or in the waste or waste management data or information that they have submitted and will at the same

time send a copy of the written request to the central and appropriate local office of the Ministry of the Environment.

Art. 24 Holders of waste who are asked to address deficiencies in the waste or waste management data or information they have submitted will address the identified deficiencies within 14 calendar days of receipt of the written notice referred to in Article 23.

## **Part VII Sanctions**

Art. 25 For any holder of waste who fails make or retain a record of waste and waste management data and information in accordance with this Instruction, or who makes a false or erroneous record, or who fails to make a record of waste or waste management available to the appropriate representative of the Ministry of the Environment, the minister may:

- (i) Issue a ticket of 1.000 lei (one thousand lei) for every week or part week that the holder of waste has failed to keep or to retain a correct record of a waste or management data and information for a waste, except that this amount may be 10.000 lei (ten thousand lei) where a waste that has not been recorded or for which management data and information has not been retained is hazardous waste; and
- (ii) Suspend the operating license of the holder of waste.

Art 26 For any holder of waste that who fails to respond within 14 days to a request made in accordance with Article 23, the Minister may:

- (i) Issue a ticket for 1.000 lei (one thousand lei) for each waste for which a holder of a waste who has failed to comply with a request within 14 days in accordance with Article 23 and an additional 1.000 lei (one thousand lei) for each waste for each additional 14 day period or part thereof that a holder of waste fails to comply with a request made pursuant to Article 24, except that these amounts may be 10.000 lei (ten thousand lei) in each case where a waste is hazardous waste; and
- (ii) Suspend the operating license of the holder of waste.

Art. 27 Tickets issued by the Minister in accordance with Article 25 or Article 26 must be paid in full within 30 days of the date of issuance. Unpaid tickets will accrue interest at a rate of 1.5 percent per month or part thereof until the ticket has been paid.

Art.28 (i) Holders of waste may appeal a ticket issued in accordance with Art. 25 or Article 26. Interest will not be charged on an unpaid ticket provided that:

- (a) The ticket has been appealed to a court of competent jurisdiction within 30 days of the issuance of the ticket; and
- (b) The court upholds the appeal.

(ii) Holders of waste who appeal a ticket issued in accordance with Art. 24 or Article 25 and whose appeal is not upheld will be charged the interest rate

identified in Article 27 up to the date of the rejection of the appeal and interest will continue to accrue until the ticket is paid.

## **Part VI Miscellaneous**

Art. 29 The Minister of the Environment may amend this Instruction from time to time.

## **Annex I**

### **Forms for Waste Generation and Waste Management Records**

## *Instruction on How to Use Form 1 and Form 2*

Form 1 and/or Form 2 should be completed by as follows by every holder of waste, as set out in *Instruction On Recording And Submission Of Waste And Waste Management Data And Information*.

### *For Holders of Waste Who Generate Waste:*

Holders of waste who are deemed to generate waste must report the waste they are responsible for reporting using Form 1. Holders of waste that must use Form 1 include: (i) entities that produce waste themselves; and (ii) entities that are responsible for reporting waste generated by others in accordance with this Instruction (e.g. local public administrative entities are responsible for reporting in aggregate waste generation by households and by the commercial, institutional and other entities from whom they collect waste, and the management of these wastes).

Form 1 should be completed as follows:

1. Provide the information requested by the 8 questions in the grey-shaded area at the top of the form.
2. Use a separate copy of Form 1 for: (i) each type of waste as defined by the 6 digit code in Annex 2; (ii) the same waste generated by the same “holder of waste” in different local public administrative areas.
3. Identify in Column 3 the quantity of generated waste for which you are deemed the “holder of waste”.

***Example 1: My organization is an enterprise that generates waste. Does my organization need to report the waste it generates.***

Yes. Every enterprise that generates waste must report the waste they generate in Column 3 of Form 1. A separate copy of Form 1 must be used to report each individual waste from each locality (i.e. city, town or village), as these wastes are classified in Annex 2 of the Instruction On Recording And Submission Of Waste And Waste Management Data And Information.

***Example 2: My organization is a local public administrative entity that is responsible for collection and management of household waste and waste generated by small commercial entities. Does my organization need to report waste?***

Yes. Local public administrative entities must report all the waste they collect, or which is collected by a third party under contract to the local public administrative entity.

4. For the waste that is reported in Column 3, identify in the appropriate column the quantity of waste that is “treated for reutilization”, “treated for disposal”, “stored” or “disposed” in a facility for which your organization is *ALSO* deemed the “holder of waste”.

***Example 3: I must report waste generation for which my organization is deemed to be the waste holder and this waste is disposed of in a waste disposal site that is owned by my organization.***

An entity that disposes of waste in a waste disposal site that it owns (e.g. a local administrative entity or enterprise) is the “holder of waste” when the waste is in the waste disposal site. The entity must therefore report the quantity of a waste it generates each month in a locality (Column 3) and the quantity of that waste which it disposes in the waste disposal site that it owns (Column 7). If all the reported waste generation is disposed of in the same site that is owned by the entity, the quantities entered in Column 3 and Column 7 will be the same.

**Example 4: I must report waste generation for which my organization is deemed to be the waste holder and some or all of this waste is treated or stored in facilities that are owned by my organization, and there is a waste residue from the treatment that is disposed of in waste disposal facilities that are owned by my organization.**

An entity that treats or stores a quantity of its own waste in a waste treatment or storage facility that it owns (e.g. a local administrative entity or an enterprise) is the holder of waste that is treated or stored. The entity must therefore report the quantity of a waste that it generates each month in a locality (Column 3) and the quantity of that waste that is treated or stored (Column 4, 5 or 6 as appropriate). *In addition*, if the treatment of waste generates a waste that is disposed of in a waste disposal site that is also owned by the entity, this amount of waste should be included in the amount of waste that is reported in Column 7.

5. For the waste that you report in Column 3, identify in Column 8 the quantity of that waste that is “transferred to another holder of waste” for treatment, storage or disposal. This includes the amount of waste from Column 3 that is transported by another entity.

**Example 5: My enterprise reports waste in Column 3 as the holder of waste that we generate, but another entity transports the waste for treatment or for storage or for disposal. How do I report this?**

Complete Column 3 as the “holder of waste” that you are responsible for reporting. If all the waste in Column 3 is transported by another entity for treatment, storage or disposal, enter the full amount from Column 3 into Column 8. This shows that all the waste you are responsible for reporting is transported by another entity who is the “holder of waste” when they take possession of it.

**Example 6: My entity is a local public administrative entity with responsibility for waste collection and waste management in the territory that is administered by us. We have a contract with a company to collect waste and take it to a disposal site, or a treatment or a storage site. Who is responsible for reporting waste?**

Local public administrative entities must report the waste that is collected in Column 3. If the waste is taken to a waste disposal site or a waste treatment or storage facility by their waste collection contractor, the local public administrative entity must enter to amount of waste that is taken to these facilities in the appropriate column (i.e. Column 4, 5, 6 or 7). In this case, no data is required to be entered into Column 8.

However, if the local public administrative body or its waste collection contractor delivers waste to a facility (e.g. a waste transfer station) from which another entity transports the waste to a waste treatment, storage or disposal facility, the amount of waste that is transported to the transfer station (and which will therefore be transported in a new transportation operation from the transfer station) must be entered into Column 8.

### FOR HOLDERS OF WASTE WHO RECEIVE WASTE

Entities that own waste treatment, storage or disposal facilities, or which transport waste, receive waste from others. These entities must report the waste they receive and how it is managed.

6. Entities that receive waste must report the amount of each waste they receive using Form 2. A separate copy of Form 2 must be used for each waste they receive.

**Example 7: My organization collects waste from others entities and transports it for treatment or disposal. Does my organization need to complete Form 2.**

Yes. For the purpose of Form 2, when you collect waste from another entity you “receive” the waste from that entity. When you receive the waste from that entity, you become the “holder of waste” and you are responsible for ensuring that it is properly managed while you are the holder of waste.

You must complete a separate Form 2 for: (i) each type of waste you receive; (ii) each locality in which you receive a type of waste, even if you receive the same type of waste in more than one locality. The amount of waste you receive must be entered into Column 3 for each type of waste and each locality from which you receive waste. For transporters, “locality” in Column 3 refers to the locality in which the waste was received.

***Example 8: My organization treats or stores or disposes of waste. Does my organization need to complete Form 2.***

Yes. You must enter the amount of waste you receive for treatment or for storage or for disposal in Column 3. For organizations that receive waste for treatment, storage or disposal, the “locality” in Column 3 refers to the locality of the facility that has received the waste (and not the locality from which the waste originated).

7. Entities that both generate waste and who receive waste must use both Form 1 and Form 2 respectively – Form 1 for the waste they generate and Form 2 for the waste they receive.

***Example 9: My organization is a local public administrative entity with responsibility for waste collection and waste management within the territory of our administrative responsibility. Do we need to complete both Form 1 and Form 2.***

Yes, if you own either waste treatment, or waste storage or waste disposal facilities. You must complete Form 1 for the waste that you collect within your community, or which is collected for you by a contractor, and you must report on that form where the waste is managed (e.g, at your disposal site) You must also complete Form 2 for the waste you receive at your waste disposal site (or treatment or storage facility). In some cases, the amount of waste that is received at a disposal site (and reported on Form 2) will be equal to the amount of waste that is collected from the community and which is reported as going to the waste disposal site on Form 1. If others also use the waste disposal site, the amount reported in Form 2 will be higher than the amount that is collected from the community and taken to the waste disposal site and which is reported on Form 1.

***Example 10: I have completed Column 3 of Form 2– but how do I complete the rest of Form 2?***

The information you have provided in Column 3 identifies the total amount of a waste that has been received in a month in the locality you identify. Now you must report how that waste is managed and you do this by filling in, as appropriate, Column 4, 5, 6 or 7. In some cases, the amount you enter into these column will be the same as the amount you received and reported in Column 3. However, if you have treated the waste you will probably have a waste residue from the treatment – so the amount that you identify in Column 4 or Column 5 should be the amount that was treated minus the amount that is waste.

Waste that has been treated AND SOLD OR WHOLLY REUTILIZED does not require any further reporting. However: (i) after a treatment process, all materials that require management as waste will need to be reported on Form 1; and (ii) all waste materials remaining from a treatment process or from a storage facility that are transported by another entity (i.e. an entity that becomes another holder of waste when they receive the waste) to a disposal facility or to another treatment or storage facility must be reported on Form 2 in Column 8.

## Form 1: Record of Waste Generation and Waste Management

1. Name of Waste Holder:						2. Year of Reporting Period:							
3. Address of Waste Holder:													
4. Type of Waste Reported on the Form:						5. Code for Waste Reported on this Form(6 digits, according to code in Annex 2):							
6. Is Waste Hazardous? (check the appropriate box) Yes <input type="checkbox"/> No <input type="checkbox"/>						7. Unit of Measure (check the appropriate box below to identify the unit of measure the waste quantities are reported in)							
8. Physical State (solid or liquid – check the appropriate box) Solid <input type="checkbox"/> Liquid <input type="checkbox"/>						Kilograms <input type="checkbox"/>		Tonnes <input type="checkbox"/>		Litres <input type="checkbox"/>		Cubic metres <input type="checkbox"/>	
1	2	3		4		5		6		7		8	
Nr. ord.	Month	Waste Generated		Treated for Reutilization (Including recycled, composted or reused)		Treated for Disposal (Including thermal treatment, biological treatment, physical or chemical treatment etc.)		Stored (Stored in a container or in an area dedicated to waste storage)		Disposed in Landfill (Including residues from reutilization and treatment)		Transferred to Another Holder of Waste or Transfer Station (e.g. transporter, or waste treatment, storage or disposal facility)	
		Quantity	Locality	Quantity	Locality	Quantity	Locality	Quantity	Locality	Quantity	Locality	Quantity	
1	January												
2	February												
3	March												
4	April												
5	May												
6	June												
7	July												
8	August												
9	September												
10	October												
11	November												
12	December												
	TOTAL												

### Notes

This form records the generation and management of waste while it is in the possession of the holder of waste as defined in Art. 2, Art. 3, Art. 4 and Art. 5.

A separate form is to be used for each type of waste as these are set out in Annex II.

A separate form to be used for waste generated by the same holder of waste in each commune or municipality where waste is generated

For the purpose of this Instruction, a waste transfer station is not a treatment facility, or a storage facility or a disposal facility

## Form 2: Record of Waste Received and Waste Management

1. Name of Waste Holder:						2. Year of Reporting Period:							
3. Address of Waste Holder:													
4. Type of Waste Reported on the Form:						5. Code for Waste Reported on this Form (6 digits, according to code in Annex 2):							
6. Is Waste Hazardous? (check the appropriate box) Yes <input type="checkbox"/> No <input type="checkbox"/>						7. Unit of Measure (check the appropriate box below to identify the unit of measure the waste quantities are reported in)							
8. Physical State (solid or liquid – check the appropriate box) Solid <input type="checkbox"/> Liquid <input type="checkbox"/>						Kilograms <input type="checkbox"/>		Tonnes <input type="checkbox"/>		Litres <input type="checkbox"/>		Cubic metres <input type="checkbox"/>	

1	2	3		4		5		6		7		8
Nr. ord.	Month	Waste Received		Treated for Reutilization (Including recycled, composted or reused)		Treated for Disposal (Including thermal treatment, biological treatment, physical or chemical treatment etc.)		Stored (Stored in a container or in an area dedicated to waste storage)		Disposed in Landfill (Including residues from reutilization and treatment)		Transferred to Another Holder of Waste or Transfer Station (e.g. transporter, or waste treatment, storage or disposal facility)
		Quantity	Locality	Quantity	Locality	Quantity	Locality	Quantity	Locality	Quantity	Locality	Quantity
1	January											
2	February											
3	March											
4	April											
5	May											
6	June											
7	July											
8	August											
9	September											
10	October											
11	November											
12	December											
	TOTAL											

### Notes

This form records the generation and management of waste while it is in the possession of the holder of waste as defined in Art. 2, Art. 3, Art. 4 and Art. 5.

A separate form is to be used for each type of waste as these are set out in Annex II.

A separate form to be used for waste generated by the same holder of waste in each commune or municipality where waste is generated

For the purpose of this Instruction, a waste transfer station is not a treatment facility, or a storage facility or a disposal facility.

## **Annex: II**

### **List Of Waste Including Listed Hazardous Waste**

## **List of Waste Including Hazardous Waste**

### *Instruction on How to Use the List of Waste*

1. The inclusion of a material in the List of Waste does not mean that the material is a waste in all circumstances. Materials are considered to be waste only when they meet the definition of waste in the Law on Waste.
2. This implies that the following steps should be taken to identify a waste in the list:
  - Step 1: Identify the source generating the waste in Chapters 01 to 12 or 17 to 20 and identify the appropriate six-digit code of the waste (excluding codes ending with 99 of these chapters). Note that a specific production unit may need to classify its activities in several chapters. For instance, a manufacturer may find its wastes listed in Chapters 12 (wastes from shaping and surface treatment of metals), 11 (inorganic wastes containing metals from metal treatment and the coating of metals) and 08 (wastes from the use of coatings), depending on the different process steps.
  - Step 2: If no appropriate waste code can be found in Chapters 01 to 12 or 17 to 20 the Chapters 13, 14 and 15 must be examined to identify the waste.
  - Step 3: If none of these waste codes apply, the waste must be identified according to Chapter 16.
  - Step 4: If the waste is not in Chapter 16 either, the 99 code (wastes not otherwise specified) must be used in the section of the list corresponding to the activity identified in step one.
3. Any waste marked with an asterisk (\*) is deemed to be a hazardous waste.
4. In addition to any waste identified in this Annex marked by an asterisk (\*), a waste is deemed to be hazardous if it meets one or more of the criteria for hazardous waste set out in the Law on Waste Management, Annex III.

## List of Waste

### *Waste categories*

- 01 Wastes resulting from exploration, mining, dressing and further treatment of minerals and quarry
- 02 Wastes from agricultural, horticultural, hunting, fishing and aquacultural primary production, food preparation and processing
- 03 Wastes from wood processing and the production of paper, cardboard, pulp, panels and furniture
- 04 Wastes from the leather, fur and textile industries
- 05 Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal
- 06 Wastes from inorganic chemical processes
- 07 Wastes from organic chemical processes
- 08 Wastes from the manufacture, formulation, supply and use (MFSU) of coatings (paints, varnishes and vitreous enamels), adhesives, sealants and printing inks
- 09 Wastes from the photographic industry
- 10 Inorganic wastes from thermal processes
- 11 Inorganic metal-containing wastes from metal treatment and the coating of metals, and non-ferrous hydrometallurgy
- 12 Wastes from shaping and surface treatment of metals and plastics
- 13 Oil wastes (except edible oils, 05 and 12)
- 14 Wastes from organic substances used as solvents (except 07 and 08)
- 15 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
- 16 Wastes not otherwise specified in the list
- 17 Construction and demolition wastes (including road construction)
- 18 Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)
- 19 Wastes from waste treatment facilities, off-site waste water treatment plants and the water industry
- 20 Municipal wastes and similar commercial, industrial and institutional wastes including separately collected fractions

### **01 WASTES RESULTING FROM EXPLORATION, MINING, DRESSING AND FURTHER TREATMENT OF MINERALS AND QUARRY**

#### **01 01 Wastes from mineral excavation**

- 01 01 01 Waste from mineral metalliferous excavation
- 01 01 02 Waste from mineral non-metalliferous excavation

#### **01 02 Wastes from mineral dressing**

- 01 02 01 Wastes from the dressing of metalliferous minerals
- 01 02 02 Wastes from the dressing on non-metalliferous minerals

#### **01 03 Wastes from further physical and chemical processing of metalliferous minerals**

- 01 03 01 Tailings
- 01 03 02 Dusty and powdery waste
- 01 03 03 Red mud from alumina production
- 01 03 99 Wastes not otherwise specified

#### **01 04 Wastes from further physical and chemical processing on non-metalliferous minerals**

- 01 04 01 Waste gravel and crushed rocks
- 01 04 02 Waste sand and clays
- 01 04 03 Dusy and powdery waste
- 01 04 04 Waste from potash and rock-salt processing
- 01 04 05 Waste from washing and cleaning of minerals
- 01 04 06 Waste from stone cutting and sawing
- 01 04 99 Waste not otherwise specified

#### **01 05 Drilling muds and other drilling wastes**

- 01 05 01 Oil-containing drilling muds and wastes
- 01 05 02 Barite-containing drilling muds and wastes
- 01 05 03 Chloride-containing drilling muds and wastes
- 01 05 04 Fresh-water drilling muds and wastes
- 01 05 99 Wastes not otherwise specified

### **02 WASTES FROM AGRICULTURAL, HORTICULTURAL, HUNTING, FISHING AND AQUACULTURAL PRIMARY PRODUCTION, FOOD PREPARATION AND PROCESSING**

#### **02 01 Primary production wastes**

- 02 01 01 Sludges from washing and cleaning

02 01 02 Animal tissue waste  
02 01 03 Plant tissue waste  
02 01 04 Waste plastics (except packaging)  
02 01 05\* Agrochemical wastes  
02 01 06 Animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site  
02 01 07 Waste from forestry exploitation  
02 01 99 Waste not otherwise specified

**02 02 Wastes from the preparation and processing of meat, fish and other foods of animal origin**

02 02 01 Sludges from washing and cleaning  
02 02 02 Animal tissue waste  
02 02 03 Material unsuitable for consumption or processing  
02 02 04 Sludges from on-site effluent treatment  
02 02 99 Waste not otherwise specified

**02 03 Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee and tobacco preparation and processing; tobacco processing; conserve production**

02 03 01 Sludges from washing, cleaning, peeling, centrifuging and separation  
02 03 02 Waste from preserving agents  
02 03 03 Waste from solvent extraction  
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02 03 04 Materials unsuitable for consumption or processing  
02 03 05 Sludges from on-site effluent treatment  
02 03 99 Wastes not otherwise specified

**02 04 Wastes from sugar processing**

02 04 01 Soil from cleaning and washing beet  
02 04 02 Off-specification calcium carbonate  
02 04 03 Sludges from on-site effluent treatment  
02 04 99 Wastes not otherwise specified

**02 05 Wastes from the dairy products industry**

02 05 01 Materials unsuitable for consumption or processing  
02 05 02 Sludges from on-site effluent treatment  
02 05 99 Wastes not otherwise specified

**02 06 Wastes from the baking and confectionery industry**

02 06 01 Materials unsuitable for consumption or processing  
02 06 02 Wastes from preserving agents  
02 06 03 Sludges from on-site effluent treatment  
02 06 99 Wastes not otherwise specified

**02 07 Wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)**

02 07 01 Waste from washing, cleaning and mechanical reduction of raw materials  
02 07 02 Waste from spirits distillation  
02 07 03 Waste from chemical treatment  
02 07 04 Materials unsuitable for consumption or processing  
02 07 05 Sludges from on-site effluent treatment  
02 07 99 Wastes not otherwise specified

**03 WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PAPER, CARDBOARD, PULP, PANELS AND FURNITURE**

**03 01 Wastes from wood processing and the production of panels and furniture**

03 01 01 Waste bark and cork  
03 01 02 Sawdust  
03 01 03 Shaving, cuttings, spoiled timber/particle board/veneer  
03 01 99 Wastes not otherwise specified

**03 02 Wood preservation wastes**

03 02 01\* Non-halogenated organic wood preservatives  
03 02 02\* Organochlorinated wood preservatives  
03 02 03\* Organometallic wood preservatives  
03 02 04\* Inorganic wood preservatives

**03 03 Wastes from pulp, paper and cardboard production and processing**

03 03 01 Bark  
03 03 02 Dregs and green liquor sludges (from black liquor treatment)  
03 03 03 Bleaching sludges from hypochlorite and chlorine processes  
03 03 04 Bleaching sludges from other bleaching processes

03 03 05 De-inking sludges from paper recycling  
03 03 06 Fibre and paper sludge  
03 03 07 Rejects from paper and cardboard recycling  
03 03 99 Wastes not otherwise specified  
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#### **04 WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES**

##### **04 01 Wastes from the leather and fur industry**

04 01 01 Fleshings and lime split waste  
04 01 02 Liming waste  
04 01 03\* Degreasing waste containing solvents without a liquid phase  
04 01 04 Tanning liquor containing chromium  
04 01 05 Tanning liquor free of chromium  
04 01 06 Sludges, in particular from on-site, effluent treatment containing chromium  
04 01 07 Sludges, in particular from on-site effluent treatment free of chromium  
04 01 08 Waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium  
04 01 09 Waste from dressing and finishing  
04 01 99 Waste not otherwise specified

##### **04 02 Wastes from the textile industry**

04 02 01 Waste from unprocessed textile fibres and other natural fibrous substances mainly of vegetable origin  
04 02 02 Waste from unprocessed textile fibres mainly of animal origin  
04 02 03 Waste from unprocessed textile fibres mainly of artificial or synthetic origin  
04 02 04 Waste from unprocessed mixed textile fibres before spinning and weaving  
04 02 05 Waste from processed textile fibres mainly of vegetable origin  
04 02 06 Waste from processed textile fibres mainly of animal origin  
04 02 07 Waste from processed fibres mainly of artificial or synthetic origin  
04 02 08 Waste from processed mixed textile fibres  
04 02 09 Waste from composite materials (impregnated textile, elastomer, plastomer)  
04 02 10 Organic matter from natural products (e.g. grease, wax)  
04 02 14\* Waste from finishing containing organic solvents  
04 02 15 Waste from finishing other than mentioned in 04 02 14  
04 02 16\* Dyestuffs and pigments containing dangerous substances  
04 02 17 Dyestuffs and pigments other than those mentioned in 04 02 16  
04 02 19\* Sludges from on-site effluent treatment containing dangerous substances  
04 02 20 Sludges from on-site effluent treatment other than mentioned in 04 02 19  
04 02 99 Wastes not otherwise specified

#### **05 WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL**

##### **05 01 Oily sludges and solid wastes**

05 01 02 Desalter sludges  
05 01 03\* Tank bottom sludges  
05 01 04\* Acid alkyl sludges  
05 01 05\* Oil spills  
05 01 06 Sludges from plant, equipment and maintenance operations  
05 01 07\* Acid tars  
05 01 08\* Other tars  
05 01 09\* Sludges from on-site effluent treatment containing dangerous substances  
05 01 10 Sludges from on-site effluent treatment other than those mentioned in 05 01 09  
05 01 99 Wastes not otherwise specified

##### **05 02 Non oily sludges and solid wastes**

05 02 01 Boiler feedwater sludges  
05 02 02 Waste from cooling columns  
05 02 99 Wastes not otherwise specified

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##### **05 04 Spent filter clays**

05 04 01\* Spent filter clays

##### **05 05 Oil desulphurisation wastes**

05 05 01 Waste containing sulphur  
05 05 99 Wastes not otherwise specified

**05 06 Wastes from the pyrolytic treatment of coal**

- 05 06 01\* Acid tars
- 05 06 02 Asphalt
- 05 06 03\* Other tars
- 05 06 04 Waste from cooling columns
- 05 06 99 Wastes not otherwise specified

**05 07 Wastes from natural gas purification**

- 05 07 01\* Sludges containing mercury
- 05 07 02 Waste containing sulphur
- 05 07 99 Wastes not otherwise specified

**05 08 Wastes from oil regeneration**

- 05 08 01\* Spent filter clays
- 05 08 02\* Acid tars
- 05 08 03\* Other tars
- 05 08 04\* Aqueous liquid waste from oil regeneration
- 05 08 99 Wastes not otherwise specified

**06 WASTES FROM INORGANIC CHEMICAL PROCESSES****06 01 Waste acidic solutions**

- 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\* Wastes not otherwise specified

**06 02 Waste alkaline solutions**

- 06 02 01\* Calcium hydroxide
- 06 02 02\* Soda
- 06 02 03\* Ammonia
- 06 02 99\* Waste salts and their solutions

**06 03 Waste salts and their solutions**

- 06 03 01 Carbonates (except 02 04 02)
- 06 03 02 Saline solutions containing sulphates, sulphites or sulphides
- 06 03 03 Solid salts containing sulphates, sulphites or sulphides
- 06 03 04 Saline solutions containing chlorides, fluorides and halides
- 06 03 05 Solid salts containing chlorides, fluorides and other halogenated solid salts
- 06 03 06 Saline solutions containing phosphates and related solid salts
- 06 03 07 Phosphates and related solid salts
- 06 03 08 Saline solutions containing nitrates and related compounds
- 06 03 09 Solid salts containing nitrides (nitrometallic)
- 06 03 10 Solid salts containing ammonium
- 06 03 11\* Salts and solutions containing cyanides
- 06 03 12 Salts and solutions containing organic compounds
- 06 03 99 Wastes not otherwise specified

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**06 04 Metal-containing wastes**

- 06 04 01 Metallic oxides
- 06 04 02\* Metallic salts (except 06 03)
- 06 04 03\* Waste containing arsenic
- 06 04 04\* Waste containing mercury
- 06 04 05\* Waste containing other heavy metals
- 06 04 99 Wastes not otherwise specified

**06 05 Sludges from on-site effluent treatment**

- 06 05 02\* Sludges from on-site effluent treatment containing dangerous substances
- 06 05 03 Sludges from on-site effluent treatment other than those mentioned in 06 05 02

**06 06 Wastes from sulphur chemical processes (production and transformation) and desulphurization processes**

- 06 06 01 Waste containing sulphur
- 06 06 99 Wastes not otherwise specified

**06 07 Wastes from halogen chemical processes**

- 06 07 01\* Waste containing asbestos from electrolysis
- 06 07 02\* Activated carbon from chlorine production

06 07 99 Wastes not otherwise specified

**06 08 Waste from production of silicon and silicon derivatives**

06 08 01 Waste from production of silicon and silicon derivatives

**06 09 Wastes from phosphorus chemical processes**

06 09 01 Phosphogypsum

06 09 02 Phosphorous slag

06 09 99 Wastes not otherwise specified

**06 10 Waste from nitrogen chemical processes and fertiliser manufacture**

06 10 01 Waste from nitrogen chemical processes and fertiliser manufacture

**06 11 Waste from the manufacture of inorganic pigments and opacifiers**

06 11 01 Gypsum from titanium dioxide production

06 11 99 Wastes not otherwise specified

**06 13 Wastes from other inorganic chemical processes**

06 13 01\* Inorganic pesticides, biocides and wood preserving agents

06 13 02\* Spent activated carbon (except 06 07 02)

06 13 03 Carbon black

06 13 04\* Waste from asbestos processing

06 13 99 Wastes not otherwise specified

**07 WASTES FROM ORGANIC CHEMICAL PROCESSES**

**07 01 Wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals**

07 01 01\* Aqueous washing liquids and mother liquors

07 01 03\* Organic halogenated solvents, washing liquids and mother liquors

07 01 04\* Other organic solvents, washing liquids and mother liquors

07 01 07\* Halogenated still bottoms and reaction residues

07 01 08\* Other still bottoms and reaction residues

07 01 09\* Halogenated filter cakes, spent absorbents

07 01 10\* Other filter cakes, spent absorbents

07 01 11\* Sludges from on-site effluent treatment containing dangerous substances

07 01 12 Sludges from on-site effluent treatment other than those mentioned in 07 01 11

07 01 99 Wastes not otherwise specified

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**07 02 Wastes from the MFSU of plastics, synthetic rubber and man-made fibres**

07 02 01\* Aqueous washing liquids and mother liquors

07 02 03\* Organic halogenated solvents, washing liquids and mother liquors

07 02 04\* Other organic solvents, washing liquids and mother liquors

07 02 07\* Halogenated still bottoms and reaction residues

07 02 08\* Other still bottoms and reaction residues

07 02 09\* Halogenated filter cakes, spent absorbents

07 02 10\* Other filter cakes, spent absorbents

07 02 11\* Sludges from on-site effluent treatment containing dangerous substances

07 02 12 Sludges from on-site effluent treatment other than those mentioned in 07 02 11

07 02 13 Waste plastic

07 02 99 Wastes not otherwise specified

**07 03 Wastes from the MFSU of organic dyes and pigments (except 06 11)**

07 03 01\* Aqueous washing liquids and mother liquors

07 03 03\* Organic halogenated solvents, washing liquids and mother liquors

07 03 04\* Other organic solvents, washing liquids and mother liquors

07 03 07\* Halogenated still bottoms and reaction residues

07 03 08\* Other still bottoms and reaction residues

07 03 09\* Halogenated filter cakes, spent absorbents

07 03 10\* Other filter cakes, spent absorbents

07 03 11\* Sludges from on-site effluent treatment containing dangerous substances

07 03 12 Sludges from on-site effluent treatment other than those mentioned in 07 03 11

07 03 99 Wastes not otherwise specified

**07 04 Wastes from the MFSU of organic pesticides (except 02 01 05)**

07 04 01\* Aqueous washing liquids and mother liquors

07 04 03\* Organic halogenated solvents, washing liquids and mother liquors

07 04 04\* Other organic solvents, washing liquids and mother liquors

07 04 07\* Halogenated still bottoms and reaction residues

07 04 08\* Other still bottoms and reaction residues

07 04 09\* Halogenated filter cakes, spent absorbents  
07 04 10\* Other filter cakes, spent absorbents  
07 04 11\* Sludges from on-site effluent treatment containing dangerous substances  
07 04 12 Sludges from on-site effluent treatment other than those mentioned in 07 04 11  
07 04 99 Wastes not otherwise specified

**07 05 Wastes from the MFSU of pharmaceuticals**

07 05 01\* Aqueous washing liquids and mother liquors  
07 05 03\* Organic halogenated solvents, washing liquids and mother liquors  
07 05 04\* Other organic solvents, washing liquids and mother liquors  
07 05 07\* Halogenated still bottoms and reaction residues  
07 05 08\* Other still bottoms and reaction residues  
07 05 09\* Halogenated filter cakes, spent absorbents  
07 05 10\* Other filter cakes, spent absorbents  
07 05 11\* Sludges from on-site effluent treatment containing dangerous substances  
07 05 12 Sludges from on-site effluent treatment other than those mentioned in 07 05 11  
07 05 99 Wastes not otherwise specified

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**07 06 Wastes from the MFSU of fats, grease, soaps, detergents disinfectants and cosmetics**

07 06 01\* Aqueous washing liquids and mother liquors  
07 06 03\* Organic halogenated solvents, washing liquids and mother liquors  
07 06 04\* Other organic solvents, washing liquids and mother liquors  
07 06 07\* Halogenated still bottoms and reaction residues  
07 06 08\* Other still bottoms and reaction residues  
07 06 09\* Halogenated filter cakes, spent absorbents  
07 06 10\* Other filter cakes, spent absorbents  
07 06 11\* Sludges from on-site effluent treatment containing dangerous substances  
07 06 12 Sludges from on-site effluent treatment other than those mentioned in 07 06 11  
07 06 99 Wastes not otherwise specified

**07 07 Wastes from the MFSU of fine chemicals and chemical products not otherwise specified**

07 07 01\* Aqueous washing liquids and mother liquors  
07 07 03\* Organic halogenated solvents, washing liquids and mother liquors  
07 07 04\* Other organic solvents, washing liquids and mother liquors  
07 07 07\* Halogenated still bottoms and reaction residues  
07 07 08\* Other still bottoms and reaction residues  
07 07 09\* Halogenated filter cakes, spent absorbents  
07 07 10\* Other filter cakes, spent absorbents  
07 07 11\* Sludges from on-site effluent treatment containing dangerous substances  
07 07 12 Sludges from on-site effluent treatment other than those mentioned in 07 07 11  
07 07 99 Wastes not otherwise specified

**08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS**

**08 01 Wastes from MFSU and removal of paint and varnish**

08 01 11\* Waste paint and varnish containing organic solvents or other dangerous substances  
08 01 12 Waste paint and varnish other than those mentioned in 08 01 11  
08 01 13\* Sludges from paint or varnish containing organic solvents or other dangerous substances  
08 01 14 Sludges from paint or varnish other than those mentioned in 08 01 13  
08 01 15\* Aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances  
08 01 16  
08 01 17\* Aqueous sludges containing paint or varnish other than those mentioned in 08 01 15  
08 01 18 Waste from paint or varnish removal other than those mentioned in 08 01 17  
08 01 19\* Aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances  
08 01 20 Aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19  
08 01 21\* Waste paint or varnish remover  
08 01 99 Wastes not otherwise specified

**08 02 Wastes from MFSU of other coatings (including ceramic materials)**

08 02 01 Waste coating powders  
08 02 02 Aqueous sludges containing ceramic materials  
08 02 03 Aqueous suspensions containing ceramic materials  
08 02 99 Wastes not otherwise specified

### **08 03 Wastes from MFSU of printing inks**

- 08 03 01\* Waste ink containing halogenated solvents
- 08 03 02\* Waste ink containing non-halogenated solvents
- 08 03 03 Waste from water-based ink
- 08 03 04 Dried ink

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- 08 03 05\* Ink sludges containing halogenated solvents
- 08 03 06\* Ink sludges containing non-halogenated solvents
- 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 10\* Waste organic solvents used for cleaning
- 08 03 11\* Waste etching solutions
- 08 03 99 Wastes not otherwise specified

### **08 04 Wastes from MFSU of adhesives and sealants (including waterproofing products)**

- 08 04 09\* Waste adhesives and sealants containing organic solvents or other dangerous substances
- 08 04 10
- 08 04 11\* Adhesive and sealant sludges containing organic solvents or other dangerous substances
- 08 04 12 Adhesive and sealant sludges other than those mentioned in 08 04 11
- 08 04 13\* Aqueous sludges containing adhesives or sealants containing organic solvents or other dangerous substances
- 08 04 14 Aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 13
- 08 04 15\* Aqueous liquid waste containing adhesives or sealants with organic solvents or other dangerous substances
- 08 04 16 Aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
- 08 04 99 Wastes not otherwise specified

### **08 05 Wastes not otherwise specified**

- 08 05 01\* Waste isocyanates

## **09 WASTES FROM THE PHOTOGRAPHIC INDUSTRY**

### **09 01 Wastes from the photographic industry**

- 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
- 09 01 04\* Fixer solutions
- 09 01 05\* Bleach solutions and bleach fixer solutions
- 09 01 06\* Waste containing silver from on-site treatment of photographic waste
- 09 01 07 Photographic film and paper containing silver or silver compounds
- 09 01 08 Photographic film and paper free of silver or silver compounds
- 09 01 10 Single-use cameras without batteries
- 09 01 11\* Single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03
- 09 01 12 Single-use cameras containing batteries other than those mentioned in 09 01 11
- 09 01 99 Wastes not otherwise specified

## **10 INORGANIC WASTES FROM THERMAL PROCESSES**

### **10 01 Wastes from power stations and other combustion plants (except 19)**

- 10 01 01 Bottom ash
- 10 01 02 Coal fly ash
- 10 01 03 Peat and (untreated) wood fly ash
- 10 01 04\* Oil fly ash
- 10 01 05 Calcium-based reaction waste from flue gas desulphurisation in solid form
- 10 01 06 Other solid waste from gas treatment
- 10 01 07 Calcium-based reaction waste from flue gas desulphurisation in sludge form
- 10 01 08 Other sludges from gas treatment
- 10 01 09\* Sulphuric acid
- 10 01 11 Aqueous sludges from boiler cleansing
- 10 01 12 Spent linings and refractories
- 10 01 13\* Fly ash from emulsified hydrocarbons used as fuel
- 10 01 99 Wastes not otherwise specified

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### **10 02 Wastes from the iron and steel industry**

- 10 02 01 Waste from the processing of slag

10 02 02 Unprocessed slag  
10 02 05 Other sludges  
10 02 06 Spent linings and refractories  
10 02 07\* Solid waste from gas treatment of electrical arc furnaces containing dangerous substances  
10 02 08 Solid waste from gas treatment of electrical arc furnaces other than those mentioned in 10 02 07  
10 02 09 Solid waste from gas treatment of other iron and steel processes  
10 02 10 Mill scales  
10 02 11\* Waste from cooling water treatment containing oil  
10 02 12 Other waste from cooling water treatment  
10 02 13\* Sludges from gas treatment containing dangerous substances  
10 02 14 Sludges from gas treatment other than those mentioned in 10 02 13  
10 02 99 Wastes not otherwise specified  
**10 03 Wastes from aluminium thermal metallurgy**  
10 03 01\* Tars and other carbon-containing wastes from anode manufacture  
10 03 02 Anode scraps  
10 03 04\* Primary smelting slags/white drosses  
10 03 05 Alumina dust  
10 03 06 Used carbon strips and fireproof materials from electrolysis  
10 03 07\* Spent pot linings  
10 03 08\* Salt slags from secondary smelting  
10 03 09\* Black drosses from secondary smelting  
10 03 10\* Waste from treatment of salt slags and black drosses  
10 03 11 Flue gas dust  
10 03 12 Other particulates and dust (including ball mill dust)  
10 03 13 Solid waste from gas treatment  
10 03 14 Sludges from gas treatment  
10 03 15\* Skimmings that are flammable or emit, upon contact with water, flammable gases in dangerous quantities  
10 03 16 Skimmings other than those mentioned in 10 03 15  
10 03 99 Wastes not otherwise specified  
**10 04 Wastes from lead thermal metallurgy**  
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 04\* Flue gas dust  
10 04 05\* Other particulates and dust  
10 04 06\* Solid waste from gas treatment  
10 04 07\* Sludges from gas treatment  
10 04 08 Spent linings and refractories  
10 04 99 Wastes not otherwise specified  
**10 05 Wastes from zinc thermal metallurgy**  
10 05 01\* Slags (first and second smelting)  
10 05 02 Dross and skimmings (first and second smelting)  
10 05 03\* Flue gas dust  
10 05 04 Other particulates and dust  
10 05 05\* Solid waste from gas treatment  
10 05 06\* Sludges from gas treatment  
10 05 07 Spent linings and refractories  
10 05 99 Wastes not otherwise specified  
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**10 06 Wastes from copper thermal metallurgy**  
10 06 01 Slags (first and second smelting)  
10 06 02 Dross and skimmings (first and second smelting)  
10 06 03\* Flue gas dust  
10 06 04 Other particulates and dust  
10 06 05\* Waste from electrolytic refining  
10 06 06\* Solid waste from gas treatment  
10 06 07\* Sludges from gas treatment  
10 06 08 Spent linings and refractories  
10 06 99 Wastes not otherwise specified  
**10 07 Wastes from silver, gold and platinum thermal metallurgy**  
10 07 01 Slags (first and second smelting)  
10 07 02 Dross and skimmings (first and second smelting)

10 07 03 Solid waste from gas treatment  
10 07 04 Other particulates and dust  
10 07 05 Sludges from gas treatment  
10 07 06 Spent linings and refractories  
10 07 99 Wastes not otherwise specified

**10 08 Wastes from other non-ferrous thermal metallurgy**

10 08 01 Slags (first and second smelting)  
10 08 02 Dross and skimmings (first and second smelting)  
10 08 03 Flue gas dust  
10 08 04 Other particulates and dust  
10 08 05 Solid waste from gas treatment  
10 08 06 Sludges from gas treatment  
10 08 07 Spent linings and refractories  
10 08 99 Wastes not otherwise specified

**10 09 Wastes from casting of ferrous pieces**

10 09 01 Casting cores and moulds containing organic binders which have not undergone pouring  
10 09 02 Casting cores and moulds containing organic binders which have undergone pouring  
10 09 03 Furnace slag  
10 09 04 Furnace dust  
10 09 99 Wastes not otherwise specified

**10 10 Wastes from casting of non-ferrous pieces**

10 10 01 Casting cores and moulds containing organic binders which have not undergone pouring  
10 10 02 Casting cores and moulds containing organic binders which have undergone pouring  
10 10 03 Furnace slag  
10 10 04 Furnace dust  
10 10 99 Wastes not otherwise specified

**10 11 Wastes from manufacture of glass and glass products**

10 11 01 Waste preparation mixture before thermal processing  
10 11 02 Waste glass  
10 11 03 Waste glass-based fibrous materials  
10 11 04 Flue gas dust  
10 11 05 Other particulates and dust  
10 11 06 Solid waste from gas treatment  
10 11 07 Sludges from gas treatment  
10 11 08 Spent linings and refractories  
10 11 99 Wastes not otherwise specified

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**10 12 Wastes from manufacture of ceramic goods, bricks, tiles and construction products**

10 12 01 Waste preparation mixture before thermal processing  
10 12 02 Flue gas dust  
10 12 03 Other particulates and dust  
10 12 04 Solid waste from gas treatment  
10 12 05 Sludges from gas treatment  
10 12 06 Discarded moulds  
10 12 07 Spent linings and refractories  
10 12 99 Wastes not otherwise specified

**10 13 Wastes from manufacture of cement, lime and plaster and articles and products made from them**

10 13 01 Waste preparation mixture before thermal processing  
10 13 02 Waste from asbestos-cement manufacture  
10 13 03 Waste from other cement-based composite materials  
10 13 04 Waste from calcination and hydration of lime  
10 13 05 Solid waste from gas treatment  
10 13 06 Other particulates and dust  
10 13 07 Sludges from gas treatment  
10 13 08 Spent linings and refractories  
10 13 99 Wastes not otherwise specified

**11 INORGANIC METAL-CONTAINING WASTES FROM METAL TREATMENT AND THE COATING OF METALS, AND NON-FERROUS HYDROMETALLURGY**

**11 01 Liquid wastes and sludges from metal treatment and coating of metals, (e.g. galvanic processes, zinc coating processes, pickling processes, etching, phosphatising, alkaline degreasing)**

- 11 01 01\* Cyanidic (alkaline) waste containing heavy metals other than chromium
- 11 01 02\* Cyanidic (alkaline) waste not containing heavy metals
- 11 01 03\* Cyanide-free wastes containing chromium
- 11 01 04 Cyanide-free wastes not containing chromium
- 11 01 05\* Acidic pickling solutions
- 11 01 06\* Acids not otherwise specified
- 11 01 07\* Alkalis not otherwise specified
- 11 01 08\* Phosphatising sludges

**11 02 Wastes and sludges from non-ferrous hydrometallurgical processes**

- 11 02 01 Sludges from copper hydrometallurgy
- 11 02 02\* Sludges from zinc hydrometallurgy (including jarosite, goethite)
- 11 02 03 Waste from the production of anodes for aqueous electrolytical processes
- 11 02 04 Sludges not otherwise specified

**11 03 Sludges and solids from tempering processes**

- 11 03 01\* Waste containing cyanide
- 11 03 02\* Other wastes

**11 04 Other inorganic metal-containing wastes not otherwise specified**

- 11 04 01 Other inorganic metal-containing wastes not otherwise specified

**12 WASTES FROM SHAPING AND SURFACE TREATMENT OF METALS AND PLASTICS**

**12 01 Wastes from shaping (including forging, welding, pressing, drawing, turning, cutting and filing)**

- 12 01 01 Ferrous metal filings and turnings
- 12 01 02 Other ferrous metal particles
- 12 01 03 Non-ferrous metal filings and turnings
- 12 01 04 Other non-ferrous metal particles
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- 12 01 05 Plastics particles
- 12 01 06\* Waste machining oils containing halogens (except emulsions)
- 12 01 07\* Waste machining oils free of halogens (except emulsions)
- 12 01 08\* Waste machining emulsions containing halogens
- 12 01 09\* Waste machining emulsions free of halogens
- 12 01 10\* Synthetic machining oils
- 12 01 11\* Machining sludges
- 12 01 12\* Spent waxes and fats
- 12 01 13 Welding waste
- 12 01 99 Wastes not otherwise specified

**12 02 Wastes from mechanical surface treatment processes (blasting, grinding, honing, lapping, polishing)**

- 12 02 01 Spent blasting grit
- 12 02 02 Sludges from grinding, honing and lapping
- 12 02 03 Polishing sludges
- 12 02 99 Wastes not otherwise specified

**12 03 Wastes from water and steam degreasing processes (except 11)**

- 12 03 01\* Aqueous washing liquids
- 12 03 02\* Steam degreasing waste

**13 OIL WASTES (except edible oils, 05 and 12)**

**13 01 Waste hydraulic oils and brake fluids**

- 13 01 01\* Hydraulic oils, containing PCBs or PCTs
- 13 01 02\* Other chlorinated hydraulic oils (except emulsions)
- 13 01 03\* Non-chlorinated hydraulic oils (except emulsions)
- 13 01 04\* Chlorinated emulsions
- 13 01 05\* Non-chlorinated emulsions
- 13 01 06\* Hydraulic oils containing only mineral oil
- 13 01 07\* Other hydraulic oils
- 13 01 08\* Brake fluids

**13 02 Waste engine, gear and lubricating oils**

- 13 02 01\* Chlorinated engine, gear and lubricating oils
- 13 02 02\* Non-chlorinated engine, gear and lubricating oils
- 13 02 03\* Other engine, gear and lubricating oils

**13 03 Waste insulating and heat transmission oils and other liquids**

- 13 03 01\* Insulating or heat transmission oils and other liquids containing PCBs or PCTs

- 13 03 02\* Other chlorinated insulating and heat transmission oils and other liquids
- 13 03 03\* Non-chlorinated insulating and heat transmission oils and other liquids
- 13 03 04\* Synthetic insulating and heat transmission oils and other liquids
- 13 03 05\* Mineral insulating and heat transmission oils

**13 04 Bilge oils**

- 13 04 01\* Bilge oils from inland navigation
- 13 04 02\* Bilge oils from jetty sewers
- 13 04 03\* Bilge oils from other navigation

**13 05 Oil/water separator contents**

- 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

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**13 06 Oil waste not otherwise specified**

- 13 06 01\* Oil waste not otherwise specified

**14 WASTES FROM ORGANIC SUBSTANCES USED AS SOLVENTS (except 07 and 08)**

**14 01 Wastes from metal degreasing and machinery maintenance**

- 14 01 01\* chlorofluorocarbons
- 14 01 02\* other halogenated solvents and solvent mixes
- 14 01 03\* Other solvents and solvent mixes
- 14 01 04\* Aqueous solvent mixes containing halogens
- 14 01 05\* Aqueous solvent mixes free of halogens
- 14 01 06\* Sludges or solid wastes containing halogenated solvents
- 14 01 07\* Sludges or solid wastes free of halogenated solvents

**14 02 Wastes from textile cleaning and degreasing of natural products**

- 14 02 01\* Halogenated solvents and solvent mixes
- 14 02 02\* Solvent mixes or organic liquids free of halogenated solvents
- 14 02 03\* Sludges or solid waste containing halogenated solvents
- 14 02 04\* Sludges or solid waste containing other solvents

**14 03 Wastes from the electronic industry**

- 14 03 01\* Chlorofluorocarbons
- 14 03 02\* Other halogenated solvents
- 14 03 03\* Solvents and solvent mixes free of halogenated solvents
- 14 03 04\* Sludges or solid wastes containing halogenated solvents
- 14 03 05\* Sludges or solid wastes containing other solvents

**14 04 Wastes from coolants, foam/aerosol propellents**

- 14 04 01\* Chlorofluorocarbons
- 14 04 02\* Other halogenated solvents and solvent mixes
- 14 04 03\* Other solvents and solvent mixes
- 14 04 04\* Sludges or solid waste containing halogenated solvents
- 14 04 05\* Sludges or solid waste containing other solvents

**14 05 Wastes from solvent and coolant recovery (still bottoms)**

- 14 05 01\* Chlorofluorocarbons
- 14 05 02\* Halogenated solvents and solvent mixes
- 14 05 03\* Other solvents and solvent mixes
- 14 05 04\* Sludges containing halogenated solvents
- 14 05 05\* Sludges containing other solvents

**15 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**

**15 01 Packaging**

- 15 01 01 Paper and cardboard packaging
- 15 01 02 Plastic packaging
- 15 01 03 Wooden packaging
- 15 01 04 Metallic packaging
- 15 01 05 Composite packaging
- 15 01 06 Mixed packaging

- 15 01 07 Glass packaging
- 15 01 08\* Packaging containing residues of or contaminated by dangerous substances
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- 15 02 Absorbents, filter materials, wiping cloths and protective clothing**
- 15 02 02\* Absorbents, filter materials, wiping cloths, protective clothing contaminated by dangerous substances
- 15 02 03 Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

## **16 WASTES NOT OTHERWISE SPECIFIED IN THE LIST**

### **16 01 End-of-life vehicles and their components**

- 16 01 03 End-of-life tyres
- 16 01 04 Discarded vehicles
- 16 01 06 End-of-life vehicles, drained of liquids and emptied of other hazardous components
- 16 01 99 Wastes not otherwise specified

### **16 02 Discarded equipment and its components**

- 16 02 09\* Transformers and capacitors containing PCBs or PCTs
- 16 02 10\* Discarded equipment containing or contaminated by PCBs or PCTs other than those mentioned in 16 02 09
- 16 02 11\* Discarded equipment containing chlorofluorocarbons
- 16 02 12\* Discarded equipment containing free asbestos
- 16 02 13\* Discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
- 16 02 14 Discarded equipment other than those mentioned in 16 02 09 to 16 02 13
- 16 02 15\* Hazardous components removed from discarded equipment
- 16 02 16 Components removed from discarded equipment other than those mentioned in 16 02 15

### **16 03 Off-specification batches**

- 16 03 01 Inorganic off-specification batches
- 16 03 02 Organic off-specification batches

### **16 04 Waste explosives**

- 16 04 01\* Waste ammunition
- 16 04 02\* Fireworks waste
- 16 04 03\* Other waste explosives

### **16 05 Chemicals and gases in containers**

- 16 05 01 Industrial gases in high pressure cylinders, LPG containers and industrial aerosol containers (including halons)
- 16 05 02 Other waste containing inorganic chemicals, e.g. lab chemicals not otherwise specified, fire extinguishing powders
- 16 05 03 Other waste containing organic chemicals, e.g. lab chemicals not otherwise specified

### **16 06 Batteries and accumulators**

- 16 06 01\* Lead batteries
- 16 06 02\* Ni-Cd batteries
- 16 06 03\* Mercury-containing batteries
- 16 06 04 Alkaline batteries (except 16 06 03)
- 16 06 05 Other batteries and accumulators
- 16 06 06\* Electrolyte from batteries and accumulators

### **16 07 Wastes from transport and storage tank cleaning (except 05 and 12)**

- 16 07 01\* Waste from marine transport tank cleaning, containing chemicals
- 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 04\* Waste from railway and road transport tank cleaning, containing chemicals
- 16 07 05\* Waste from storage tank cleaning, containing chemicals
- 16 07 06\* Waste from storage tank cleaning, containing oil
- 16 07 07 Solid waste from ship cargoes
- 16 07 99 Wastes not otherwise specified

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### **16 08 Spent catalysts**

- 16 08 01 Spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum (except 16 08 07)
- 16 08 02\* Spent catalysts containing dangerous transition metals (1) or transition metal compounds
- 16 08 03 Spent catalysts containing other transition metals (2) or transition metal compounds (except 16 08 07)
- 16 08 04 Spent fluid catalytic cracking catalysts
- 16 08 05\* Spent catalysts containing phosphoric acid
- 16 08 06\* Spent liquids used as catalysts
- 16 08 07\* Spent catalysts contaminated with dangerous substances

## **17 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING ROAD CONSTRUCTION)**

### **17 01 Concrete, bricks, tiles, ceramics, and gypsum-based materials**

- 17 01 01 Concrete
- 17 01 02 Bricks
- 17 01 03 Tiles and ceramics
- 17 01 04 Gypsum-based construction materials
- 17 01 05 Asbestos-based construction materials

### **17 02 Wood, glass and plastic**

- 17 02 01 Wood
- 17 02 02 Glass
- 17 02 03 Plastic

### **17 03 Asphalt, tar and tarred products**

- 17 03 01 Asphalt containing tar
- 17 03 02 Asphalt not containing tar
- 17 03 03 Tar and tar products

### **17 04 Metals (including their alloys)**

- 17 04 01 Copper, bronze, brass
- 17 04 02 Aluminium
- 17 04 03 Lead
- 17 04 04 Zinc
- 17 04 05 Iron and steel
- 17 04 06 Tin
- 17 04 07 Mixed metals
- 17 04 08 Cables

### **17 05 Soil and dredging spoil**

- 17 05 03\* Soil and stones containing dangerous substances
- 17 05 04 Soil and stones other than those mentioned in 17 05 03
- 17 05 05\* Dredging spoil containing dangerous substances
- 17 05 06 Dredging spoil other than those mentioned in 17 05 05

### **17 06 Insulation materials**

- 17 06 01\* Insulation materials containing asbestos
- 17 06 02 Other insulation materials

### **17 07 Mixed construction and demolition waste**

- 17 07 02\* Mixed construction and demolition waste or separated fractions containing dangerous substances
- 17 07 03 Mixed construction and demolition waste other than those mentioned in 17 07 02

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## **18 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)**

### **18 01 Wastes from natal care, diagnosis, treatment or prevention of disease in humans**

- 18 01 01 Sharps (except 18 01 03)
- 18 01 02 Body parts and organs including blood bags and blood preserves (except 18 01 03)
- 18 01 03\* Waste whose collection and disposal is subject to special requirements in view of the prevention of infection
- 18 01 04 Waste whose collection and disposal is not subject to special requirements in view of the prevention of infection, (e.g. dressings, plaster casts, linen, disposable clothing, diapers)
- 18 01 06\* Chemicals consisting of or containing dangerous substances
- 18 01 07 Chemicals other than those mentioned in 18 01 06
- 18 01 08\* Cytotoxic and cytostatic medicines
- 18 01 09 Medicines other than those mentioned in 18 01 08
- 18 01 10\* Amalgam waste from dental care

### **18 02 Wastes from research, diagnosis, treatment or prevention of disease involving animals**

- 18 02 01 Sharps (except 18 02 02)
- 18 02 02\* Waste whose collection and disposal is subject to special requirements in view of the prevention of infection
- 18 02 03 Waste whose collection and disposal is not subject to special requirements in view of the prevention of infection
- 18 02 05\* Chemicals consisting of or containing dangerous substances
- 18 02 06 Chemicals other than those mentioned in 18 02 05
- 18 02 07\* Cytotoxic and cytostatic medicines
- 18 02 08 Medicines other than those mentioned in 18 02 07

## **19 WASTES FROM WASTE TREATMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE WATER INDUSTRY**

### **19 01 Wastes from incineration or pyrolysis of waste**

- 19 01 02 Ferrous materials removed from bottom ash
- 19 01 05\* Filter cake from gas treatment
- 19 01 06\* Aqueous liquid waste from gas treatment and other aqueous liquid waste
- 19 01 07\* Solid waste from gas treatment
- 19 01 10\* Spent activated carbon from flue gas treatment
- 19 01 11\* Bottom ash and slag containing dangerous substances
- 19 01 12 Bottom ash and slag other than those mentioned in 19 01 11
- 19 01 13\* Fly ash containing dangerous substances
- 19 01 14 Fly ash other than those mentioned in 19 01 13
- 19 01 15\* Boiler dust containing dangerous substances
- 19 01 16 Boiler dust other than those mentioned in 19 01 15
- 19 01 17\* Pyrolysis waste containing dangerous substances
- 19 01 18 Pyrolysis waste other than those mentioned in 19 01 17
- 19 01 99 Wastes not otherwise specified

### **19 02 Wastes from specific physico/chemical treatments of industrial waste, (e.g. dechromatation, decyanidation, neutralisation)**

- 19 02 01\* Metal hydroxide sludges and other sludges from metal insolubilisation treatment
  - 19 02 03 Premixed waste composed only of wastes not marked as hazardous
  - 19 02 04\* Premixed waste composed of at least one waste marked as hazardous
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### **19 03 Stabilised/solidified wastes (3)**

- 19 03 04\* Waste marked as hazardous, partly stabilised (4)
- 19 03 05 Stabilised waste other than those mentioned in 19 03 04
- 19 03 06\* Waste marked as hazardous, solidified
- 19 03 07 Solidified waste other than those mentioned in 19 03 06

### **19 04 Vitrified waste and wastes from vitrification**

- 19 04 01 Vitrified waste
- 19 04 02\* Fly ash and other flue gas treatment waste
- 19 04 03\* Non-vitrified solid phase
- 19 04 04 Aqueous liquid waste from vitrified waste tempering

### **19 05 Wastes from aerobic treatment of solid wastes**

- 19 05 01 Non-composted fraction of municipal and similar waste
- 19 05 02 Non-composted fraction of animal and vegetable waste
- 19 05 03 Off-specification compost
- 19 05 99 Wastes not otherwise specified

### **19 06 Wastes from anaerobic treatment of waste**

- 19 06 01 Anaerobic treatment sludges of municipal and similar waste
- 19 06 02 Anaerobic treatment sludges of animal and vegetal waste
- 19 06 99 Wastes not otherwise specified

### **19 07 Landfill leachate**

- 19 07 01 Landfill leachate

### **19 08 Wastes from waste water treatment plants not otherwise specified**

- 19 08 01 Screenings
- 19 08 02 Waste from desanding
- 19 08 03\* Grease and oil mixture from oil/waste water separation
- 19 08 04 Sludges from the treatment of industrial waste water
- 19 08 05 Sludges from treatment of urban waste water
- 19 08 06\* Saturated or spent ion exchange resins
- 19 08 07\* Solutions and sludges from regeneration of ion exchangers
- 19 08 99 Wastes not otherwise specified

### **19 09 Wastes from the preparation of drinking water or water for industrial use**

- 19 09 01 Solid waste from primary filtration and screenings
- 19 09 02 Sludges from water clarification
- 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
- 19 09 99 Wastes not otherwise specified

## **19 10 Wastes from shredding of metal-containing waste**

- 19 10 01 Iron and steel waste
  - 19 10 02 Non-ferrous waste
  - 19 10 03\* Fluff — light fraction containing dangerous substances
  - 19 10 04 Fluff — light fraction other than those mentioned in 19 10 03
  - 19 10 05\* Dust and other fractions containing dangerous substances
  - 19 10 06 Dust and other fractions other than those mentioned in 19 10 05
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## **20 MUNICIPAL WASTES AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES INCLUDING SEPARATELY COLLECTED FRACTIONS**

### **20 01 Separately collected fractions**

- 20 01 01 Paper and cardboard
- 20 01 02 Glass
- 20 01 03 Small plastics
- 20 01 04 Other plastics
- 20 01 05 Small metals (cans, etc.)
- 20 01 06 Other metals
- 20 01 07 Wood
- 20 01 08 Organic kitchen waste
- 20 01 10 Clothes
- 20 01 11 Textiles
- 20 01 13\* Solvents
- 20 01 14\* Acids
- 20 01 15\* Alkalines
- 20 01 17\* Photochemicals
- 20 01 19\* Pesticides
- 20 01 21\* Fluorescent tubes and other mercury-containing waste
- 20 01 22 Aerosols
- 20 01 23\* Discarded equipment containing chlorofluorocarbons
- 20 01 25 Edible oil and fat
- 20 01 26\* Oil and fat other than those mentioned in 20 01 25
- 20 01 27\* Paint, inks, adhesives and resins containing dangerous substances
- 20 01 28 Paint, inks, adhesives and resins other than those mentioned in 20 01 27
- 20 01 29\* Detergents containing dangerous substances
- 20 01 30 Detergents other than those mentioned in 20 01 29
- 20 01 31\* Cytotoxic and cytostatic medicines
- 20 01 32 Medicines other than those mentioned in 20 01 31
- 20 01 33\* Mixed batteries and accumulators containing batteries or accumulators included in 16 06 01, 16 06 02 or 16 06 03
- 20 01 34 Batteries and accumulators other than those mentioned in 20 01 33
- 20 01 35\* Discarded equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
- 20 01 36 Discarded equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

### **20 02 Garden and park wastes (including cemetery waste)**

- 20 02 01 Compostable waste
- 20 02 02 Soil and stones
- 20 02 03 Other non-compostable wastes

### **20 03 Other municipal wastes**

- 20 03 01 Mixed municipal waste
- 20 03 02 Waste from markets
- 20 03 03 Street cleaning residues
- 20 03 04 Septic tank sludge

(1) Transition metals are: scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum, tantalum, rhenium.

(2) See footnote 1.

(3) Stabilisation processes change the dangerousness of the constituents in the waste and thus transform hazardous waste into non-hazardous waste. Solidification processes only change the physical state of the waste by using additives, (e.g. liquid into solid) without changing the chemical properties of the waste.

(4) A waste is considered as partly stabilised if after the stabilisation process dangerous constituents which have not been changed completely into non-dangerous constituents could be released into the environment in short, middle or long term.

## **Annex: III**

### **Properties of Waste which Render it Hazardous**

Note: This Annex is taken from Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 (see Annex III of the Directive). The numbering system reflects the EU numbering system and can be changed in accordance with ENPI East country requirements.

## PROPERTIES OF WASTE WHICH RENDER IT HAZARDOUS

H 1 'Explosive': substances and preparations which may explode under the effect of flame or which are more sensitive to shocks or friction than dinitrobenzene.

H 2 'Oxidizing': substances and preparations which exhibit highly exothermic reactions when in contact with other substances, particularly flammable substances.

H 3-A 'Highly flammable'

- liquid substances and preparations having a flash point below 21 °C (including extremely flammable liquids); or
- substances and preparations which may become hot and finally catch fire in contact with air at ambient temperature without any application of energy; or
- solid substances and preparations which may readily catch fire after brief contact with a source of ignition and which continue to burn or to be consumed after removal of the source of ignition; or
- gaseous substances and preparations which are flammable in air at normal pressure, or
- substances and preparations which, in contact with water or damp air, evolve highly flammable gases in dangerous quantities.

H 3-B 'Flammable': liquid substances and preparations having a flash point equal to or greater than 21 °C and less than or equal to 55 °C.

H 4 'Irritant': non-corrosive substances and preparations which, through immediate, prolonged or repeated contact with the skin or mucous membrane, can cause inflammation.

H 5 'Harmful': substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may involve limited health risks.

H 6 'Toxic': substances and preparations (including very toxic substances and preparations) which, if they are inhaled or ingested or if they penetrate the skin, may involve serious, acute or chronic health risks and even death.

H 7 'Carcinogenic': substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce cancer or increase its incidence.

H 8 'Corrosive': substances and preparations which may destroy living tissue on contact.

H 9 'Infectious': substances and preparations containing viable micro-organisms or their toxins which are known or reliably believed to cause disease in man or other living organisms.

H 10 'Toxic for reproduction': substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce non-hereditary congenital malformations or increase their incidence.

H 11 'Mutagenic': substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce hereditary genetic defects or increase their incidence.

H 12 Waste which releases toxic or very toxic gases in contact with water, air or an acid.

H 13 (\*) 'Sensitizing': substances and preparations which, if they are inhaled or if they penetrate the skin, are capable of eliciting a reaction of hypersensitization such that on further exposure to the substance or preparation characteristic adverse effects are produced (as far as these can be determined by available testing methods).

H 14 'Ecotoxic': waste which presents or may present immediate or delayed risks for one or more sectors of the environment.

H 15 Waste capable by any means, after disposal, of yielding another substance, e.g. a leachate, which possesses any of the characteristics listed above.

### Notes

1. Attribution of the hazardous properties 'toxic' (and 'very toxic'), 'harmful', 'corrosive', 'irritant', 'carcinogenic', 'toxic to reproduction', 'mutagenic' and 'eco-toxic' is made on the basis of the criteria laid

down by Annex VI, to Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances (1).

2. Where relevant the limit values listed in Annex II and III to Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations (2) shall apply.

#### *Test methods*

The methods to be used are described in Annex V to Directive 67/548/EEC and in other relevant CEN-notes.



