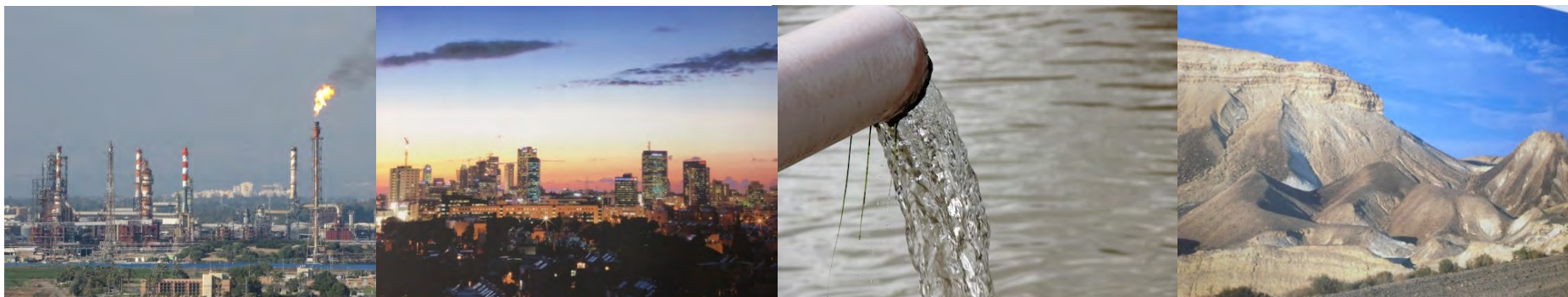




Twinning Project IL/11

Implementation and Strengthening the Environmental Framework for  
IPPC, Resource Efficiency and Eco-Management in Israel



## The European Waste Catalogue

**Ellen Gerlach, Environmental Protection Agency Sachsen-Anhalt**  
**Dr. Brigitte Karigl, Environmental Agency Austria**

Workshop, 22.02.2017





## EU-Legislation

Waste classification is based on

- the European List of Waste (Commission Decision 2000/532/EC) and
- COMMISSION REGULATION (EU) No 1357/2014 of 18 December 2014 replacing Annex III to Directive()





The European Waste Catalogue (EWC) is the key document for classification of waste.

842 entries

- 408 hazardous,
- 434 non hazardous
- 180 mirror entries





## Waste list

The different types of wastes in the list are fully defined by the six-digit code for the waste and the respective two-digit and four-digit chapter headings.

This implies that the following steps should be taken to identify a waste in the list:





## 20 Chapter of the EWC

- 01 Wastes resulting from exploration, **mining**, quarrying, physical and chemical treatment of minerals
- 02 Wastes from **agriculture**, horticulture, aquaculture, forestry, hunting and fishing, **food** preparation and processing
- 03 Wastes from **wood** processing and the production of **panels and furniture**, pulp, paper and cardboard
- 04 Wastes from **the leather, fur and textile** industries
- 05 Wastes from **petroleum refining**, natural gas purification and pyrolytic treatment of coal





## 20 Chapter of the EWC

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 Wastes from **thermal processes**

11 Wastes from **chemical surface treatment** and **coating of metals** and other materials; non-ferrous hydro- metallurgy

12 Wastes from **shaping and physical and mechanical surface treatment** of metals and plastics





## 20 Chapter of the EWC

- 17 **Construction and demolition wastes** (including excavated soil from contaminated sites)
- 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 management facilities**, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
- 20 **Municipal wastes** (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions





## 20 Chapter of the EWC

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).

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.

13 **Oil wastes** and wastes of liquid fuels (except edible oils, 05 and 12)

14 Waste **organic solvents**, refrigerants and propellants (except 07 and 08)

15 **Waste packaging; absorbents**, wiping cloths, filter materials and protective clothing not otherwise specified







## 20 Chapter of the Waste list

If none of these waste codes apply, the waste must be identified according to chapter 16 (WASTES NOT OTHERWISE SPECIFIED IN THE LIST)

16 01 **end-of-life vehicles** ... and wastes from dismantling of end-of-life vehicles and vehicle maintenance

16 02 wastes from **electrical and electronic equipment**

16 03 off-specification batches and unused products

16 04 waste explosives

16 05 gases in pressure containers and discarded chemicals

16 06 **batteries and accumulators**





## 20 Chapter of the Waste list

16 07 wastes from transport tank, storage tank and barrel cleaning

16 08 **spent catalysts**

16 09 oxidising substances

16 10 aqueous liquid wastes destined for off-site treatment

16 11 waste linings and refractories





## 20 Chapter of the Waste list

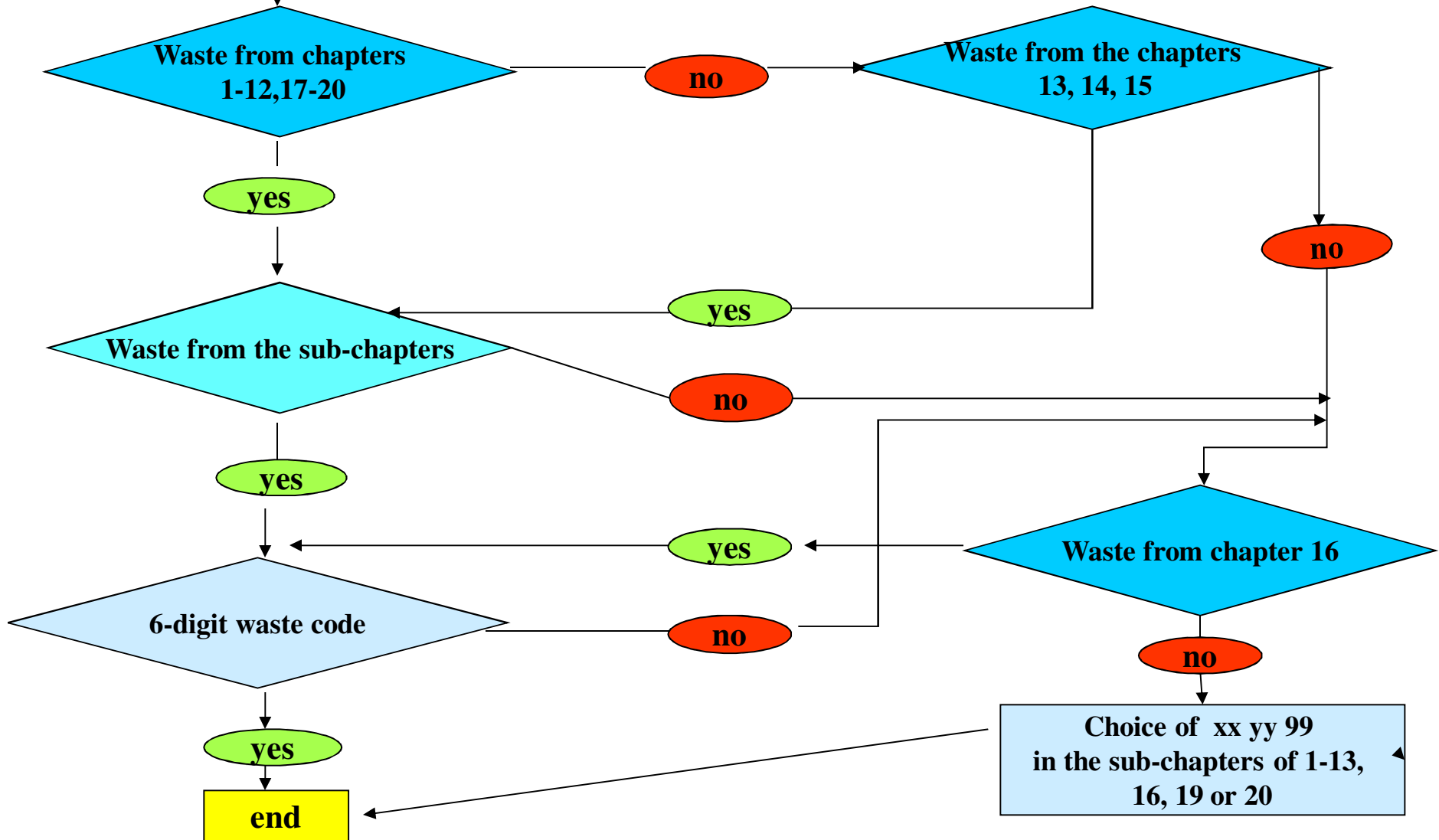
If the waste is not in chapter 16 either, the 99 code (wastes not otherwise specified) must be used in the section of the list corresponding to the activity identified in step one.





**START**

**Twinning Project IL/11**  
Implementation and Strengthening the Environmental Framework for  
IPPC, Resource Efficiency and Eco-Management in Israel





## Classification of waste as hazardous

Any waste marked with an asterisk (\*) in the list of wastes shall be considered as hazardous waste pursuant to Directive 2008/98/EC, unless Article 20 of that Directive applies.

**Mirror entries** (wastes for which hazardous and non-hazardous waste codes could be assigned)





## Classification of waste as hazardous

- Absolute hazardous entry, marked with an asterisk (\*)
- Absolute non-hazardous entry
- Mirror entry -wastes for which hazardous and non-hazardous waste codes could be assigned





## Classification of waste as hazardous

The waste is hazardous when it **contains relevant hazardous substances** that cause the waste to display one or more of the hazardous properties HP 1 to HP 8 and/or HP 10 to HP 15 as listed in Annex III to Directive 2008/98/EC.

The assessment of the hazardous property **HP 9 infectious** shall be made according to **relevant legislation** or reference documents **in the Member States**.





## Classification of waste as hazardous Annex III to Directive 2008/98/EC

- HP 1 Explosive
- HP 2 Oxidizing
- HP 3 Flammable
- HP 4 Irritant - skin irritation and eye damage
- HP 5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
- HP 6 Acute Toxicity
- HP 7 Carcinogenic
- HP 8 Corrosive







## Classification of waste as hazardous Annex III to Directive 2008/98/EC

- HP 9 Infectious
- HP 10 Toxic for reproduction
- HP 11 Mutagenic
- HP 12 Waste which releases acute toxic gases in contact with water or an acid.
- HP 13 Sensitising
- HP 14 Ecotoxic
- HP 15 Waste capable of exhibiting a hazardous property listed above not directly displayed by the original waste





# Classification of waste as hazardous

## Annex III to Directive 2008/98/EC

Hazardous Property		Hazard Statement Code and Concentration Limit	
HP1	Explosive	substance	H200, H201, H202, H203, H204, H240, H241
HP2	Oxidising	substance	H270, H271, H272
HP3	Flammable	substance	H220, H221, H222, H223, H224, H225, H226, H228, H242, H250, H251, H252, H260, H261
HP4	Irritant – skin irritation and eye damage	sum of the concentrations of all substances	Sum of all substances with H314: >1 %, Sum of all substances with H318: >10 %, Sum of all substances with H315 und H319: >20 %
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity	substance	STOT einm. 1-3: H370, H371, H335: >1 %, 10 %, 20 % STOT wdh. 1-2: H372, H373: > 1 %, 10 % Asp. 1: H304: > 10 %
HP6	Acute Toxicity	sum of the concentrations of all substances	Acute Tox. oral 1-4: H300, H301, H302: > 0,1 %, 0,25 %, 5 %, 25 % Acute Tox. dermal 1-4: H310, H311, H312: > 0,25 %, 2,5 %, 15 %, 55 % Acute Tox. inhal 1-4: H330, H331, H332: > 0,1 %, 0,5 %, 3,5 %, 22,5 %
HP7	Carcinogenic	substance	H350: >0,1 %, H351: > 1 %
HP8	Corrosive	sum of the concentrations of all substances	substances with H314 > 5%
HP9	Infectious		
HP10	Toxic for reproduction	substance	H360: >0,3 %, H361: > 3 %
HP11	Mutagenic	substance	H340: >0,1 %, H341: > 1 %
HP12	Release of an acute toxic gas	substance	EUH029, EUH031, EUH032
HP13	Release of an acute toxic gas	substance	H317, H334: >10 %
HP14	Ecotoxic		
	Akut aquatic toxicity		H400, H410: > 0,25%, H411: >0,25 %, H412: >2,5 %, H413: > 25 %
	can damage the ozone layer		H420: >0,1 %
HP15	Waste capable of exhibiting a hazardous property listed above not directly displayed by the original waste		H205, EUH001, EUH019, EUH044





Twinning Project IL/11  
Implementation and Strengthening the Environmental Framework for  
IPPC, Resource Efficiency and Eco-Management in Israel



## Contact information:

[ellen.gerlach@lau.mlu.sachen-anhalt.de](mailto:ellen.gerlach@lau.mlu.sachen-anhalt.de)

[brigitte.karigl@umweltbundesamt.at](mailto:brigitte.karigl@umweltbundesamt.at)

