

## Necessary requirements and elements that must cover the training for waste managers

Module 1 Brussels and relevant European waste legislation including traceability and administrative obligations	
Topic / content of the module	Teaching objective
What are we presenting? What is included in the training course?	<i>What should the participant know after the training?</i>
1. Waste legislation in Brussels: context and Brudalex Waste ordinance Environmental permits ordinance Inspection code	General context European and Brudalex, legal framework List of classified facilities (examples)
2. Specific collection and transport-related elements from Brudalex, with focus on new elements	What does Brudalex require in practice? What has changed?
3. Administrative and practical obligations of the various players	Who has which obligations in the chain?
4. Approval, registration and permit obligation: procedures	Who requires approval, registration or a permit? Main outlines of procedure, critical points What is the permit obligation for the players? Mentioning the concept of collection as secondary activity and waste producer as activity for third parties.
5. Public lists of approvals and permits	Where can these public lists be found? Why is that important? Why should they be consulted?
6. Systems for mutual acceptance of one another's approvals or registrations in the other regions, Flanders and Wallonia.	Who accepts what?
7. Obligations from the Quality Management System	What is the Quality Management System, who does it apply to, what is required? (Specific aspects such as waste processing hierarchy are covered in more detail)
8. Waste / hazardous waste: definitions	What is waste? Definition of waste, application of the definition of waste in practice, examples, concepts of end-of-waste and by-product (various possibilities end-of-waste via European regulations, regional criteria via decree or via the environmental permit/declaration). What is hazardous waste? (basis for module 2, basis for waste classification)
9. Coding waste and EURAL code	Classifying and coding with the EURAL codes: principles, exceptions and examples (exercises in module 2)
10. Waste processing methods, waste processing hierarchy	How do you apply the waste processing hierarchy? Practical examples. (According to classified facilities)
11. Traceability: registers and reporting	Specific adaptations by Brudalex, obligations, registers, reports (when, where, how, who has to document what), most commonly occurring errors. What has changed since Brudalex?.
12. Obligation to sort and management of burden of proof (handing in and transfer of waste)	What is the obligation for hazardous and non-hazardous waste?
13. Tax on burning waste	What is the levy, how is it calculated, who has to pay it, what are the applicable administrative procedures?
14. Liability regarding collection and transport	Who is liable for what? What is objective liability and where does this apply?

15. Concept of extended producer responsibility	How does it work? Who is responsible for what? Practical consequences for collection and transport?
16. Packaging waste: basic concepts	Legal framework
17. Cross-border waste transport: basic concepts	Legal framework



## Module 2a: Waste management - physical-chemical properties and dangers of waste, including transport, packaging and safety regulations

Topic / content of the module	Teaching objective
<i>What are we presenting? What is included in the training course?</i>	<i>What should the course participant know after the training?</i>
1. Waste / hazardous waste: definitions	What is waste? What is hazardous waste? Recap of module 1 and more detail. Practical examples, which waste products should be considered hazardous (e.g. discarded electrical and electronic devices, tank residues, etc.)
2. Coding waste and EURAL code	Classifying and coding with the EURAL codes: principles, exceptions. Concrete case studies and exercises.
3. Characteristics of various types of waste, purity, recyclability and processing possibilities, dispersion risk, hazardousness	Insight into the variability of waste products and most important policy-defining aspects of this. Examples based on the main waste flows: construction and demolition waste, re-use sector, discarded electrical and electronic devices, textiles, scrap, ELV, other.
4. Physical and chemical properties of waste	Insight into the physical and chemical properties of waste Examples based on the main waste flows.
5. Dangers (including nuisance) of waste during storage, transport and processing	Examples of cases of the most critical, important waste products.
6. Selective and mixed collection of waste, legal and technical restrictions	Which waste products should be presented selectively? How can this be organised in practice?
7. Transport <ul style="list-style-type: none"> <li>- Packaging of waste</li> <li>- Means of transporting waste</li> <li>- Safety regulations when transporting waste</li> </ul>	Examples of cases of the most critical, important waste products.
8. Measures in the event of incidents to limit nuisance for health and the environment and integration into the quality system (risk analysis and appropriate measures)	Practical examples of risk analyses and appropriate measures.
9. Quality management when collecting and processing	More detail about the Quality Management System. Quality of the collection and processing, quality of the recyclate.



## Module 2b: Hazardous waste – chemical aspects

Topic / content of the module	Teaching objective
<i>What are we presenting? What is included in the training course?</i>	<i>What should the course participant know after the training?</i>
1. Difference between hazardous and non-hazardous waste, types of hazardous properties.	Recap of previous modules, application of HP criteria, application of calculation method with mirror entries or with step-in or step-out procedures.
2. Sorts of small chemical/hazardous waste of household or non-household origin: maintenance products, solvents, acids, disinfection products, most important/critical waste, etc.	Awareness of preventing small chemical/hazardous waste products of household/non-household origin. How to recognise them? How to treat them? How to remove them? Dangers?
3. HP classification for hazardous properties of waste	Definitions, case studies and exercises
4. Main sorts of industrial hazardous waste products of non-household origin	Awareness of preventing industrial hazardous waste products of non-household origin. How to recognise them? How to treat them? How to remove them? Dangers?
5. Labelling	Basic principles, difference between hazardous and transport symbols/pictograms.
6. Chemical reactions when mixing or treating waste products (exothermic reactions, spontaneous combustion, dust explosion, etc.)	Evaluating, recognising dangers, examples of situations.
7. Storage of hazardous waste (legal and practical aspects)	Familiarity with legal requirements and best practices, per type of hazardous waste.
8. How to estimate or measure concentrations with heterogeneous waste reactions.	Concepts, measuring methods, best practices
9. The definition of 'empty', consequences for danger and processing of packaging.	How to assess in practice whether packaging has leaked empty, has been scrapped clean, etc.
10. Short introduction to ADR	Main concepts and symbols, to be applied to waste transport

