## Fact-sheet - How to develop a waste inventory?





## What is the objective?

The objective is to know what are the different waste types generated by the factory and what amount of waste is generated every month. A detailed waste identification and inventory will help the factory to work on the waste minimization (and therefore on the resource use optimization) and to better control the final waste disposal.



## How to achieve this objective?

**Step 1: Identify** the waste types generated by your factory. For each section/activity, list the wastes generated and analyze if the waste is hazardous<sup>1</sup> or not, if it can be reused and where it is temporarily stored on-site:

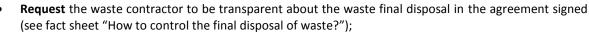
Section/ Activity	Type of waste	Hazardous / Non- hazardous	Re-usable material?	Temporary storage area
	Carton	Non-hazardous	Can be recycled offsite	Shed for non- hazardous waste
Warehouse	Poly bags	Non-hazardous		
Production area				
Canteen				
Effluent treatment plant (ETP)				

**Step 2: Create** a template/format for the waste inventory where you will indicate the amount of waste generated every month for each type of waste:

Waste inventory										
Factory name:					Objective of this document:					
Responsible person:						Record the quantity of waste generated on-site per type & nature of waste				
Date of last update:					(date:) signed by ().					
	Hazardous waste			Non-hazardous waste						
Month	Chemical waste (packaging and other)	Sludge	Used oils	Fluorescent lamp tube		I nackaging I nackaging I	Wood pallets	Textile leftovers		
January	kg	kg	kg	kg		kg	kg	kg	kg	
February										
March										
April										
May										
June										

**Step 3: Indicate** the final waste disposal for each type of waste. You can include this information in your waste inventory or create another file:

Type of waste	Waste contractor	Disposal method			
Carton	ABC Ltd.	Pacycling			
Poly bag	ABC Ltd.	Recycling			
Sludge	Cement DEF Ltd.	Burnt in a fluidized bed furnace			





• **Select** as much as possible (based on the choices you have) the waste contractors as per the lower environmental impact of their practices to treat the waste; for example, the sludge from the ETP should be rather sent to a nearby cement industry rather than sent to a waste dumping area where the sludge will contaminate the soil and the groundwater.

<sup>&</sup>lt;sup>1</sup> <u>Hazardous waste:</u> waste that because of its quantity, concentration, persistence or physical, chemical or biological characteristics may cause or significantly pose a substantial or potential hazard to human health or the environment when improperly treated, stored, transported or disposed.