

Waste management guidance for service operations

Purpose

Konecranes is committed to accelerate circularity and eliminate waste during the whole lifecycle of the products. This document defines the guidelines on waste management of Konecranes service operations including but not limited to maintenance, repairs, modernisations, spare part distribution & manufacturing and remanufacturing at Konecranes own premises and customer sites. Aim is to minimise the negative health and environmental impacts caused by waste and pollution and prevent exhaustive resource consumption.

Where local policies, procedures, rules, or regulations exceed these requirements, those will prevail.

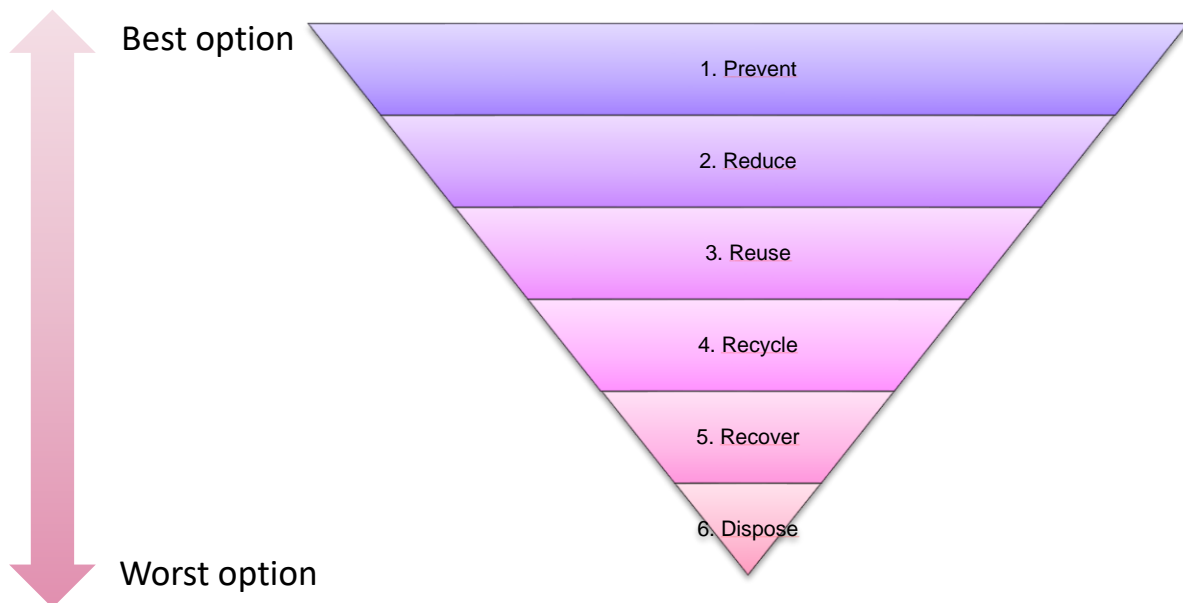
Waste hierarchy

Waste hierarchy principles (Picture 1) are applied to Konecranes' waste management. Waste is primarily prevented at source. The service work is planned in a way it ensures the efficient usage of materials and minimise the amount of waste.

Prioritizing the reuse of excess materials is essential. If possible, used components and other materials are reused. If reuse is not possible due to for example damage or degradation, materials are recycled. Recycling is essential especially in a case of critical raw materials.

If waste cannot be recycled, it is used to recover energy from waste. Disposing waste to landfill should be avoided whenever possible and done only if any above-mentioned solution is not sufficient.

Typical non-hazardous waste fractions from Konecranes operations are metal scrap, wood, plastics, paper and cardboard.



Picture 1. Waste hierarchy

Waste management at Konecranes' units

Each service unit nominates a person to take care of waste management in facilities, such as warehouses and workshops, controlled by Konecranes. Instructions describing the best possible way of sorting based on the waste hierarchy, the local waste infrastructure, and regulations are available at places where waste is disposed. Only licensed and certified waste handling companies are used to dispose waste.

Waste controls at customers' sites

If customer provides waste sorting and treatment possibilities at their site:

- Waste sorting instructions given by the customer are followed.
- All waste is appropriately sorted to customer's waste bins following the waste hierarchy.

If customer does not provide sufficient waste sorting and treatment possibilities at their site:

- It is always ensured that either Konecranes or the customer takes care of the waste. No waste is left to customer site unsorted without communicating to the customer with necessary details of i.e. hazardous waste.

- If Konecranes is responsible for waste at customer site, then waste generated from service operations need to be removed from customer site.
- If applicable, transport is arranged by a certified waste contractor. Only licensed and certified waste handling companies are used to dispose waste.

Hazardous waste

Hazardous waste is a waste with hazardous properties. Hazardous waste can be toxic, explosive, corrosive or other ways harmful to health or environment.

Typical hazardous waste categories at Konecranes

- Waste oils, lubricants and paints
- Batteries and accumulators
- Waste electrical and electronic equipment (WEEE)

All hazardous waste is stored in appropriate waste containers:

- Material of the container must be safe for storing the waste.
- Hazardous waste is kept separate from non-hazardous waste.
- Hazardous waste streams are not mixed in order to prevent chemical reactions.
- Hazardous waste is marked appropriately: sufficient information about the waste material, related warning signs and hazard symbols.
- Secondary containers for liquids are provided in case of possible leakage.

The instructions of materials' Safety Data Sheet are always followed.

Only licensed and certified waste handling companies are used to dispose hazardous and chemical waste.

Common guidance

The waste management should be always compliant with applicable local regulation, requirements and permits.

Waste releases to the environment should be prevented.

Burning waste at site or at Konecranes facilities is prohibited.

Chemicals shall never be disposed into any surface water drainage systems.

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