



Waste Management

H Weston & Sons Ltd



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SITE DETAILS

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1. Introduction

H Weston & Sons Ltd operate a cider manufacturing facility in Herefordshire. Their apple pressing and base cider fermentation activities are more than 300 t/day production capacity, with the downstream filtering and blending activities as Directly Associated Activities (DAA). A permit application is being sought to bring the site into regulation for the first time. The process flow for the permitted activities is shown within K499.2~09~0605.

Activities include the pressing of cider apples during September to November, fermentation, maturation (EPR 6.8 Part (A)1 activity, then cider is blended, filtered and bottled/kegged under the DAA activities. It is stored in a warehouse until dispatched. Wastewater is generated from cleaning and hygiene activities. This is treated on site in a Wastewater Treatment Plant (WWTP) and is permitted under (EPR 5.4 Part (A)1).

Wastes generated from the process are discussed in the following sections.

2. Waste Generation

2.1. Waste Hierarchy

H Weston & Sons Ltd ('Westons') generate several production wastes from the manufacturing processes on site. The waste is treated in line with the waste hierarchy with recovery and recycling being primary outlets for any wastes generated. Figure 1 demonstrates the waste hierarchy process adopted at the site.

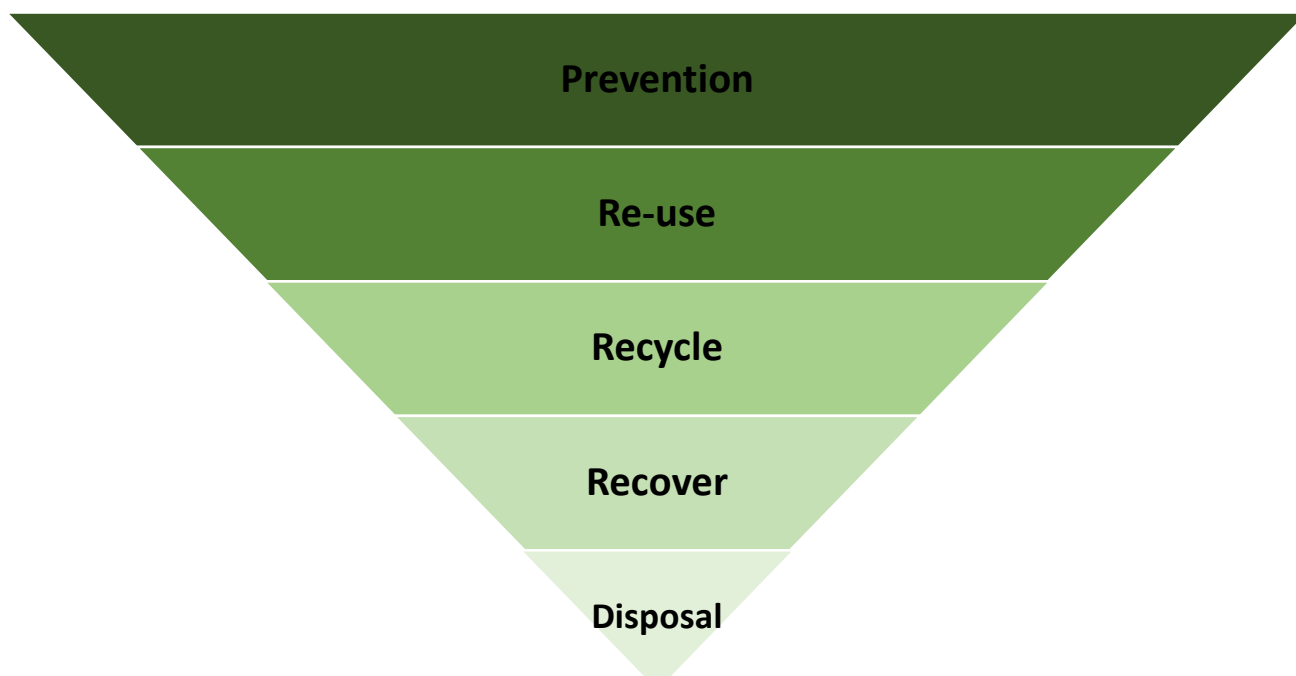


Figure 1: Waste Hierarchy

2.2. Wastes Generated

There are several different wastes generated across the permitted processes and directly associated activities. These are shown in Table 1 below. All wastes are removed by authorised Waste Carriers with a valid waste carrier licence. All wastes are taken to and treated at sites

Table 1: Wastes generated from the Production Process.

Process	Waste Type	EW Code	Recovery/Disposal Route
Pressing	Pomace	02 03 04	Anaerobic Digestion
	Organic Matter (silt, soil, leaves, twigs, off-specification apples)	20 02 01	Composting
Fermentation	Spent Yeasts	02 07 99	Anaerobic Digestion
	Yeasts	02 07 05	Anaerobic Digestion
	Dry Mixed Recyclables (i.e. paper sacks)	15 01 01, 15 01 02, 15 01 03, 15 01 04, 15 01 05, 15 01 06, 15 01 07, 20 01 01, 20 01 40, 20 03 01	Recycled
Downstream Activities (blending, filtering, bottling)			Recycled
Waste Water Treatment	Pressed Sludge & screened solids	02 07 04	Anaerobic Digestion
	Effluents (during WWTP downtime)	02 07 12	Water Recycling Centre or Anaerobic Digestion.

Note: there is no mains sewer at the site and all properties in the locality are on non-mains sewage. A small number of septic tanks treat the domestic sewage from onsite facilities.

All wastes are treated off site for further recovery. No waste treatment takes place on site.

2.3. Tonnages Generated

The tonnages of waste for the associated production wastes are as shown in Table 2.

Table 2: Waste Tonnages in 2024

Waste	EW Code	2024 Tonnage Removed
Pomace	02 03 04	8818.17 tonnes
Organic Matter (silt, soil, leaves, twigs, off-specification apples)	20 02 01	27.08 tonnes
Spent Yeasts	02 07 99	2242.5 tonnes
Yeasts	02 07 05	100.44 tonnes
Paper and cardboard packaging	15 01 01	6.52 tonnes
Plastic packaging	15 01 02	3.12 tonnes
Glass packaging	15 01 07	41.94 tonnes
Metallic packaging (cans)	15 01 04	4.43 tonnes
Pressed Sludge	02 07 04	869 tonnes
Effluents (during WWTP downtime)	02 07 12	26,127 m ³

2.4. Hazardous Wastes

No hazardous wastes are produced as part of the manufacturing process itself. In 2024, hazardous wastes generated at the site were from vehicle maintenance and engineering processes on site. Limited amounts of hazardous waste are produced from these activities. Hazardous Wastes are disposed of in line with the Hazardous Waste Regulations 2005.

2.5. Legal Paperwork

All waste transfer notes and hazardous waste consignment notes are stored on site for 2 years (for transfer notes) and 3 years (for consignment notes) at minimum as required by the relevant legislation(s).

3. Waste Storage

The production waste generation can vary, depending on whether the pressing and fermentation processes are on-going at the time. Wastes are stored in the following ways as displayed in Table 3. All waste storage is of temporary nature on site, awaiting recovery or recycling (R13). Wastes are removed on a regular basis to ensure odours do not cause off-site nuisance and pests are not attracted to the wastes.

Table 3: Waste Storage for Production Wastes

Waste	EWC Code	Storage
Pomace	02 03 04	Trailer, inside press house.
Organic Matter (silt, soil, leaves, twigs, off-specification apples)	20 02 01	Trailer
Spent Yeasts	02 07 99/ 02 07 05	Sealed Tank
Plastics/paper/card/ glass/metal/wood	15 01 01 15 01 02 15 01 04 15 01 07	Skips Bales near warehouse
Pressed Sludge	02 07 04	Covered Trailer at WWTP
Effluents (during WWTP downtime)	02 07 12	Tankered off directly from WWTP

Any hazardous wastes produced in the course of engineering, laboratory or vehicle maintenance activities are stored within a building, in dedicated containers that are labelled as to their contents until they are collected.

4. Procedures

The integrated ISO management system for the site has specific waste management procedures. These dictate how waste management is dealt with on site. This is procedure reference OP52.



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