

Attachment-8-2-1-Waste Hierarchy

European Union's waste management hierarchy is a series of waste management options, presented in decreasing order of environmental and economic desirability. The hierarchy states that the preferred option is prevention and minimisation, followed by re-use, recycling, energy recovery, with the least desirable option being landfill. The overall intent of these policy statements is to move Irish waste management away from disposal and towards the more favoured options higher up the hierarchy.

The Environmental Management Plan which forms part of the Environmental Management System for the facility sets a target for 2019 to review all on-site waste operations with the view that waste generation will be prevented or reduced. Waste generation at the facility is considered to be minimal.

A small volume of waste is likely to be generated from the site office and weighbridge. Waste from these shall be managed municipal waste and recycling bins, collected by a permitted/ licensed waste contractor. Recycling/ reuse of material will be promoted throughout the organisation. Wash water from the wheel wash shall also be sent for offsite treatment and recovery. In addition, a small volume of waste soil and stone accepted at the facility may be determined unsuitable and placed in quarantine pending off site recovery or disposal as appropriate. It is estimated that this will be < 40 tonnes (2 loads) per annum due to the stringent waste acceptance control measures in place.

Pre-waste acceptance checks shall minimise the likelihood of unacceptable waste being delivered to the facility. In the event that unacceptable waste is delivered to the facility, the Waste Acceptance and Waste Storage procedures ensure that activities at the proposed site are carried out in such a manner so that:

- 1 Minimal waste will be generated
- 2 Maximum recycling/reuse of waste will be ensured
- 3 All waste will be handled and contained in a safe manner
- 4 All disposal of waste will be carried out by a licensed contractor and will present no risk to the environment.

Where any of the following wastes/classes of materials are generated/ accidentally imported on site, they shall be segregated into individual storage containers at the site;

- 1 Waste oils / greases / paints (to be contained within an impermeable structure)
- 2 Wood
- 3 Plastics
- 4 Glass
- 5 Cardboard / Paper
- 6 Domestic refuse
- 7 Metal
- 8 Contaminated soil (generated by oil spills etc)
- 9 Waste aggregate materials segregated into different size categories

It is recommended that all segregated wastes should be sent for reuse or recycling by a suitable contractor. It is proposed that waste contractors for the site are employed to ensure that waste materials which cannot be reused or recycled at the site are collected and correctly recovered or disposed of to a waste licensed facility.