

Attachment-4-3-7-1-Waste Hierarchy Consideration

The EU Waste Framework Directive (WFD) (Directive 2008/98/EC), adopted in 2008, requires the application of the revised waste hierarchy as a priority order in waste prevention. The Directive also places a greater emphasis on optimising resource efficiency, reuse, recycling and the recovery of waste materials. The waste hierarchy is shown in Figure 1 below.

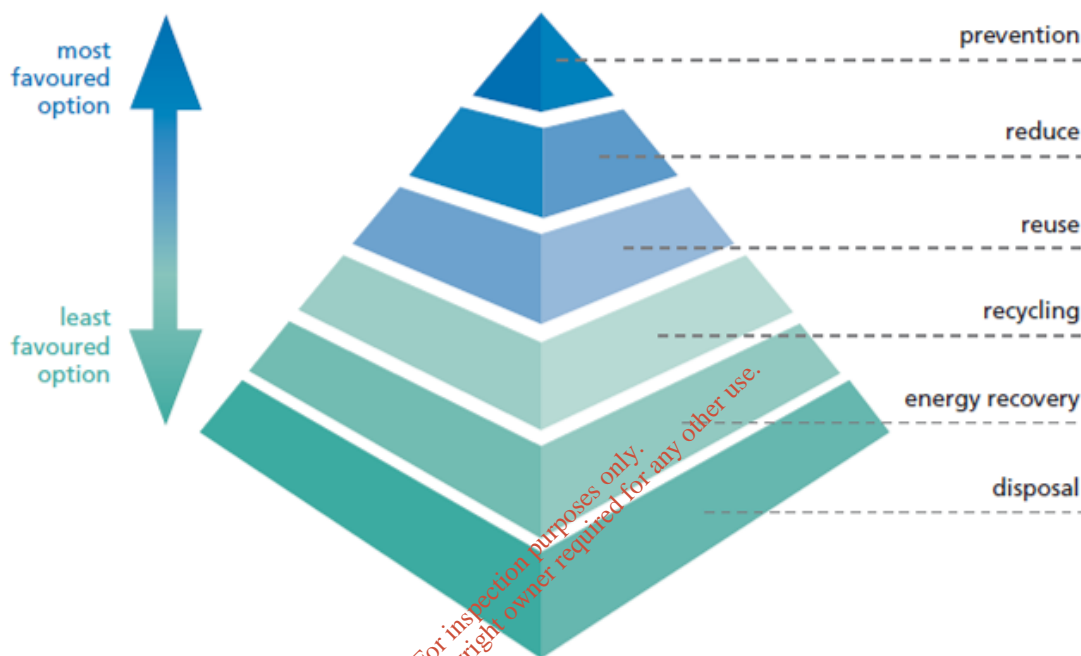


Figure 1: European Union Waste Hierarchy (Source: EPA, *Municipal Solid Waste: Pre-Treatment and Residuals Management (Page 5), 2009*)

The North City Operations Depot will provide an appropriately licenced waste transfer station for the management and handling of waste generated by DCC operations as part of their daily activities. Suitable containers will be provided in the waste handling area for the segregation of incoming waste types where possible. Maximum segregation of the waste will improve off-site reuse and recycling potential. Some collected waste materials, such as street litter bin waste, is not suitable for sorting and/or segregation at the proposed facility and will be managed as mixed municipal waste.

Where possible, waste transferred off-site will be sent for reuse or recycling in the first instance. The segregation of certain waste types such as timber and metals will allow for transfer to dedicated facilities that handle and recover those waste types. Other wastes such as mixed municipal waste and bulky waste will typically be transferred to facilities for processing and removal of recoverable items.

Off-site reuse and recycling opportunities for rubble, bituminous products and soil will be sought. There are a number of facilities in the Greater Dublin Region that accept clean rubble and asphalt for use as

recycled aggregate. Clean soil can also be put to beneficial reuse in soil recovery facilities or as engineered materials in landfill.

The residual fraction of mixed municipal waste and bulky waste may be suitable for use in energy recovery facilities wherein there is capacity for the waste to be accepted.

As a last resort, waste materials will be transferred off-site for disposal to landfill.

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