



Construction and Demolition Waste

Construction and Demolition activities produce a diverse range of materials; some of which can be considered waste, and are specified in Chapter 17 of the European Waste Catalogue and Hazardous Waste List (available from EPA www.epa.ie , Phone No. 053 9160600).

Persons involved in Construction and Demolition (C&D) may find the document titled “Best Practice Guidelines on the Preparation of Waste Management Plans for Construction and Demolition Projects” a useful aid in managing their activities in a sustainable manner. This document is available from the Department of the Environment, Heritage and Local Government; (<http://www.environ.ie/en/Publications/Environment/Waste/WasteManagement/> Phone No. 1890 20 20 21)

Management Options For Construction and Demolition Waste

The management of C&D waste should reflect the waste management hierarchy , with waste prevention and minimisation being the first priority succeeded by reuse on site and lastly the least preferred option, reuse offsite.

Prevention & Minimisation

Although not always possible, prevention of waste is obviously the best way of dealing with waste, it ensures that the waste is not created in the first instance.

Prevention of wastes arising is financially advantageous in two respects:

- It reduces the volumes of construction material needed,
- It reduces the volumes of waste that require disposal/recovery.

Effective prevention requires careful planning in relation to ordering, movement and storage of construction material, with accurate estimates of specific materials required in conjunction with proper storage of weather sensitive materials.

Examples of good planning include:

- Ensuring materials are purchased as needed to prevent over supply
- Keeping delivered materials packaged until ready to be used
- Assigning responsibility for particular materials to the (sub)contractor involved, thereby ensuring that the material is appropriately managed
- Ensuring appropriate sequencing of operations onsite

Reuse On Site

Reuse of material on site does not require a waste permit and should be considered at Project Design Stage, examples of reuse include:

- Cut and fill
- Road verges
- Sub-base material – Site roads / Car parks
- Landscaping



Reuse Off Site

Two options:

Option A

Reuse as engineering grade fill for specific project off site; **provided** prior approval is granted by Sligo County Council – no waste permit required.

To certify the material as Engineering Grade Material all of the following five requirements must be satisfied;

1. Certification of the material as suitable for the intended use. This must be certified by an appropriately qualified person. (Refer to Annex 1 which includes information criteria that must be included)
2. The intended use of the material is lawful. All necessary permissions must be in place , e.g. Planning permission. For proposed land reclamation works that may not have planning permission an appropriately qualified person must submit a report specifying that the fill will have a consequential benefit for an agricultural activity. (Refer to Annex 2)
3. The intended use of the material is not just a possibility but is a certainty. Sufficient guarantees as to the actual reuse of the material (e.g. letters of agreement) must be in place. The material should replace the use of another natural resource.
4. The intended use of the material is possible without special processing (Refer to annex 3)
5. The material must be uncontaminated.

Option B

All other construction and demolition waste material must only be recovered/disposed at sites that have a waste permit or waste licence. A list of permitted waste sites or a waste permit application form are available on request from your Local Authority.

In addition to the legislation governing sites involved in handling waste, there is also legislation governing the movement of waste material. In the majority of cases waste must only be transported by a person holding a waste collection permit. It is the responsibility of all waste holders to ensure that their waste is collected by a person who holds an appropriate waste collection permit.

All queries can be directed to Matthew Byrne or Pete Murtagh, Environmental Services Section, Sligo County Council, Unit 9 Cleveragh Business Park, Sligo.

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Annex 1

Re: Engineering Grade Material

I certify that the material consisting of _____^a
 arising from _____^b
 at _____^c is uncontaminated, and
 will replace the use of another natural resource. I certify that this material is suitable
 for use as an engineering grade material for the _____
 _____^d
 at _____^e

I attach a site location map identifying the location at which the material is being brought to for use as an engineering grade material.

Company contact details

Signed: _____ Date: _____

- ^a Description of material, e.g. subsoil, concrete etc (include EWC code)
- ^b Description of job from which the material is arising
- ^c Location of source site, include directions where necessary
- ^d Description of job where material is to be used
- ^e Location of destination site

Annex 2

This report in addition to Annex 1 should include details of the level and type of fill required so as to provide an agricultural benefit to a certain type of agricultural activity.

Annex 3

Special Processing/ Treatments

- Mechanical separation of mixed waste e.g. tromelling
- Decontamination
- Encapsulation
- Stabilisation

Non Special Processing/ Treatment

- Common processes for construction materials, e.g.: Crushing, grading and screening