



Construction and Demolition Waste Management Plan (WMP) Form

1. General Information

- a) Planning Ref No: _____
- b) Name of Contractor/ Manager: _____
- c) Address of Contractor/ Developer: _____
- d) Name of Site Manager: _____
(Person responsible for the implementation of the Waste Management Plan)
- e) Address of Development: _____
- f) Contact Details of Person responsible for preparing the Waste Management Plan
- i) Name: _____
- ii) Telephone No: _____ Email: _____

Describe the nature of the Development:

2. Description of Construction Waste Generated *(details of the waste types expected to be produced and an account of how C&D waste surpluses/deficits are liable to arise);*

Construction Waste Generated

Describe the type of waste and estimate the quantity of waste expected to be generated from the **construction** works. A List of Waste code(s) must be assigned to each waste type. See attached list of LoW Codes for construction and demolition waste. All other waste types including LoW codes can be found by contacting the Environmental Protection Agency on 053 9160600 or www.epa.ie

Please complete Table A at planning application stage. All waste moved off site must be done so by an authorised waste collector and recovered/ disposed of at an authorised site.

Table A: Details of Construction Waste Generated.

| Type of Waste (Description) | List of Waste Code(LoW Code) | Volume of Waste generated Estimate (tonnes) | Waste Exported off-site Estimate (tonnes) | Name and NWCPO Ref No. of the Waste Collector proposed to be used. (refer to www.nwcpo.ie for more information). and Name and CoR/ Permit/ Waste Licenced Ref. No. of Authorised Site(s) receiving the waste. |
|--|-------------------------------------|--|--|--|
| Clean Soil and Stone See Footnote (i) | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Concrete, Blocks, Tiles | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Hazardous waste See footnote (ii) | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Wood/green waste | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Plaster Board | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Glass | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Metals | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Plastics | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Other | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |

- i. Clean soil and stone is classified as a waste. When transported off site, it must be recovered/ disposed of at an authorised waste facility. Please contact the Environment Directorate Section Cork County Council at 021-4532700 if you have any queries.
- ii. Hazardous wastes may include but is not limited to, asbestos, electrical equipment, waste oils, contaminated soil, etc.

3. Demolition Work

a) Demolition Plan & Demolition Method Statements

Prepare a Demolition Plan and a Demolition Method Statement (for Non Hazardous Waste and Hazardous Waste) indicating the methods to be used in carrying out demolition work to ensure all waste streams are cleanly separated.

b) Demolition Waste Generated

Describe the type of waste and estimate the quantity of waste generated from demolition activities. A List of Waste code(s) must be assigned to each waste type. See attached list of LoW Codes for construction and demolition waste. All other waste types including LoW codes can be found by contacting the Environmental Protection Agency on 053 9160600 or www.epa.ie

Please complete Table B at planning application stage

Table B: Details of Demolition Waste Generated.

| Type of Waste (Description) | List of Waste Code(LoW Code) | Volume of Waste generated Estimate (tonnes) | Waste Exported off-site Estimate (tonnes) | Name and NWCPO Ref No. of the Waste Collector propose to be used. (see www.nwcpo.ie for more information) and Name and CoR/ Permit/ Waste Licenced Ref. No. of Authorised Site(s) receiving the waste. |
|--|-------------------------------------|--|--|---|
| Wood (e.g. MDF, plywood,timber) | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Concrete, soil, rubble and stone. | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Hazardous Waste. (e.g Fluorescent light tubes, Asbestos, electrical equipment, waste oils, contaminated soil etc) | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Plumbing fixtures and fittings | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Plaster Board | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of Waste Permit /Waste Licensed Facility |
| Glass | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |

| | | | | |
|------------------------------|--|--|--|---|
| Metals (e.g. iron, steel) | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Asphalt / macadam | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |
| Other | | | | Name of Waste Collector & Permit Ref No: |
| | | | | Name of CoR/Waste Permit /Waste Licensed Facility & Ref No. |

4. Waste segregation

Provide a method statement detailing measures to be taken to promote waste segregation. The method statement shall detail type(s) of containers to be used, location(s), method(s) of transport, etc.

5. Provision of a site layout map (*indicating where waste is to be temporarily stored prior to disposal / recovery*)

Provide a site layout map indicating where waste will be temporarily stored prior to disposal / recovery.

Waste storage areas shall be selected so that they are set back from watercourses, ecological sensitive areas of extreme vulnerability, and away from potential floodplain areas and areas containing invasive species.

6. Staff training, awareness and resource management

Prepare procedures for communication and training with regard to the handling of waste including waste prevention, segregation, minimisation and storage of waste on site. The roles and responsibilities of site staff with regard to waste management shall be clearly identified.

7. Compliance documentation and record keeping and Waste Audit

The Waste Management Plan should provide for systems that will ensure that details of all arisings, movement and treatment of C&D waste are recorded. Special consideration should be given to the provision of a computerised monitoring tool, which can provide for convenient recording of information in a useful format and ultimately contribute to waste reduction through benchmarking of waste arisings.

Recording of on-going monitoring and results should be a key duty of the site staff appointed to oversee the environmental performance of the project, and should extend to all waste management activities. Site audits form part of this process, as does the internal review of the content of the waste management plan to ensure that it remains relevant to the project as a whole.

The main contractor on a project should be aware of where all waste arising from the project is going to and who is taking it. At the very minimum, the contractor must keep a full record of the following:

- All waste collection permits covering the transport of waste off-site;
- All licences, waste facility permits and certificates of registration covering the destination of the waste generated by the project;
- The details of any exemption from these requirements claimed by any organisation employed to handle wastes from the project;
- Wastes streams (hazardous and non hazardous), list of waste codes, the quantities, types, etc
- A register of method statements for demolition work/ waste segregation etc
- Staff Training Records
- A register of names and roles of personnel responsible for management of waste on site
- Copies of all delivery dockets to and from site
- A site layout map

8. Declaration

I agree that all information supplied is accurate. Where there is a significant deviation in estimates or details provided in the Waste Management Plan, Cork County Council will be notified immediately.

Records (**including daily docket sheets, copy of waste collection permit and waste authorisations**) of all waste removed from the site shall be maintained at the site office and shall be made available to Cork County Council when requested.

Signed: _____
Applicant / Developer.

Date: ___ / ___ / ___

Appendix 1 **Waste Classification**

List of Waste & Determining if Waste is Hazardous or Non-hazardous (Valid from 1st of June 2015)

| | |
|--------------|--|
| 17 | CONSTRUCTION AND DEMOLITION WASTES <i>(INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</i> |
| 17 01 | concrete, bricks, tiles and ceramics |
| 17 01 01 | concrete |
| 17 01 02 | bricks |
| 17 01 03 | tiles and ceramics |
| 17 01 06* | mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances |
| 17 01 07 | mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06 |
| 17 02 | wood, glass and plastic |
| 17 02 01 | wood |
| 17 02 02 | glass |
| 17 02 03 | plastic |
| 17 02 04* | glass, plastic and wood containing or contaminated with dangerous substances |
| 17 03 | bituminous mixtures, coal tar and tarred products |
| 17 03 01* | bituminous mixtures containing coal tar |
| 17 03 02 | bituminous mixtures containing other than those mentioned in 17 03 01 |
| 17 03 03* | coal tar and tarred products |
| 17 04 | metals (including their alloys) |
| 17 04 01 | copper, bronze, brass |
| 17 04 02 | aluminium |
| 17 04 03 | lead |
| 17 04 04 | zinc |
| 17 04 05 | iron and steel |
| 17 04 06 | tin |
| 17 04 07 | mixed metals |
| 17 04 09* | metal waste contaminated with dangerous substances |
| 17 04 10* | cables containing oil, coal tar and other dangerous substances |
| 17 04 11 | cables other than those mentioned in 17 04 10 |
| 17 05 | soil (including excavated soil from contaminated sites), stones and dredging spoil |
| 17 05 03* | soil and stones containing dangerous substances |
| 17 05 04 | soil and stones other than those mentioned in 17 05 03 |
| 17 05 05* | dredging spoil containing dangerous substances |
| 17 05 06 | dredging spoil other than those mentioned 17 05 05 |
| 17 05 07* | track ballast containing dangerous substances |
| 17 05 08 | track ballast other than those mentioned in 17 05 07 |
| 17 06 | insulation materials and asbestos-containing construction materials |
| 17 06 01* | insulation materials containing asbestos |

- 17 06 03* other insulation materials consisting of or containing dangerous substances
17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 06 05* construction materials containing asbestos
- 17 08** **gypsum-based construction material**
17 08 01* gypsum-based construction materials contaminated with dangerous substances
17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01
- 17 09** **other construction and demolition waste**
17 09 01* construction and demolition wastes containing mercury
17 09 02* construction and demolition wastes containing pcb (for example pcb-containing sealants, pcb-containing resin-based floorings, pcb-containing sealed glazing units, pcb-containing capacitors)
17 09 03* other construction and demolition wastes (including mixed wastes) containing dangerous substances
17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

Please note **Hazardous (marked with an asterisk)**

Guidelines for Preparation of Waste Management Plans

Construction and Demolition Waste

Introduction:

When required by condition of planning, a Contractor / Developer shall prepare a Waste Management Plan. The plan must be agreed with Cork County Council prior to submission of the Commencement Notice for the development.

The Waste Management Plan (WMP) must provide an overall framework for the management of all waste arising on site. The WMP must also take account of the waste hierarchy which favours, in descending order: waste prevention and minimisation, material reuse, material recovery and recycling, energy recovery from waste, disposal of waste to licensed landfill.

What is Construction and Demolition Waste?

Construction and Demolition (C&D) waste is all waste that arises from construction and demolition activities (including excavated soil from contaminated sites), together with all waste categories mentioned in Chapter 17 of the *Environmental Protection Agency, "Waste Classification, List of Waste & Determining if Waste is Hazardous or Non-Hazardous, Valid from June 2015*. Also included within the definition are surplus and damaged products and materials arising in the course of construction work or used temporarily during the course of onsite activities.

When is a Construction and Demolition Waste Management Plan required?

A Construction & Demolition Waste Management Plan is required where there may be potential for the proposed project to exceed the thresholds set out in the DoEHLG publication 'Best Practice Guidelines on the Preparation of Waste Management Plans for Construction and Demolition Projects July 2006', which are set out in **Table C**.

Table C: C&D Projects/Development Thresholds.

| Item | Description of C&D Projects/Development |
|-------------|---|
| 1 | New residential development of 10 houses or more |
| 2 | New developments other than (1) above, including institutional, educational, health and other public facilities, with an aggregate floor area in excess of 1,250 m ² ; |
| 3 | Demolition/renovation/refurbishment projects generating in excess of 100m ³ in volume, of C&D waste; |
| 4 | Civil Engineering projects producing in excess of 500m ³ of waste, excluding waste materials used for development works on the site. |

General Information required to be provided in Construction and Demolition Waste Management Plan (WMP) Form:

The Waste Management Plan (WMP) must provide details of the Contractor / Developer & the Site Manager responsible for implementation of WMP.

Description of Development and Waste Generated:

The Waste Management Plan (WMP) must provide details of the size, scale and nature of the works together with a comprehensive list of the various waste streams arising on site and estimated quantities of each material. The LoW code for each waste type should also be included. A sample list of LoW codes is provided in Appendix 1.

A full listing is available on the EPA website (www.epa.ie).

Site layout map:

The Waste Management Plan (WMP) must include a site layout map indicating where waste is to be temporarily stored prior to disposal / recovery. For example, this arises where spoil, clay etc. is being stockpiled on site pending removal. Spoil should be stored in a location that will not result in silt being washed into surface waters or onto public roads or drains.

Demolition:

If demolition is involved a method statement should be included with the Waste Management Plan (WMP) which details the methods that will be used during the demolition work to ensure all waste streams are cleanly separated.

The demolition of a building without firstly stripping out all roofing, timber, insulation, wiring, partitions, fixtures, etc is unacceptable as inert and non-inert waste become co-mingled and very difficult to separate.

A building or lands may need to be surveyed by a competent person to determine if any hazardous materials are present, such as asbestos cement sheeting, asbestos cement slate, asbestos insulation, PCB's, soil contaminated with hazardous chemicals, soil contaminated with hydrocarbons, etc.

The method statement should clearly state the proposed methods to be used to removed, store, transport and dispose of all waste arising from demolition work.

Segregation of Waste:

The Waste Management Plan (WMP) must provide details of the methods that will be used during the demolition work to ensure the separation of and subsequent segregated storage of recyclable materials on site pending collection (e.g. timber, paper & cardboard, metals, glass, plastic film, concrete, macadam, soil / rubble / stone, other recyclable waste etc.)

Cardboard / paper needs to be stored separately in a dry location pending collection.

Mixed non-hazardous waste should be stored on-site, pending collection, in a large wheelie-bin, an enclosed skip or a suitable enclosed trailer. The designated container should be on-site at all times during construction work.

Procedures should be in place to ensure littering of the site does not occur.

Hazardous Waste:

Hazardous waste such as drums or tins containing hazardous chemicals (displaying hazard symbols), oil based paints or varnishes, wood preservatives, herbicides, pesticides, batteries, fluorescent tubes etc. shall be separated from mixed waste and treated as hazardous waste. Water based emulsions are classed as non-hazardous. Hazardous waste should be collected by a specialised permitted Waste Collector.

Asbestos Waste:

Wastes such as asbestos cement sheeting, asbestos cement slates or asbestos insulation, which contain asbestos fibres, are classified as hazardous and require special handling procedures.

Asbestos waste should be collected by a specialized permitted Waste Collector for ultimate disposal.

Transport of Waste:

Any waste (including inert waste) removed from the site shall only be transported by an individual or company which holds a valid Waste Collection Permit to transport such material.

Waste Collection Permits are issued by the National Waste Collection Permit Office, (Áras an Chontae, Charleville Road, Tullamore, Co. Offaly - Telephone: (057) 935 7428 Website – www.nwcpo.ie).

Any person transporting waste should have a copy of their Waste Collection Permit available for inspection in the vehicle at all times.

Certified/ Permitted / Licensed Facilities Used:

Any waste (including inert waste) removed from any site shall only be taken to facilities which hold either a valid Certificate of Registration or Waste Facility Permit issued by Cork County Council or a Waste Licence issued by the EPA. Details should be included in the plan of the actual facilities to be used for the final recovery / disposal of waste arising.

Roles including Training and Assignment of Responsibilities for Implementation of the Waste Management Plan:

A Site Engineer/ Manager etc shall be designated as the C & D Waste Manager and have overall responsibility for the implementation of the Project Waste Management Plan.

All site personnel will be instructed about the objectives of the Project Waste Management Plan and informed of the responsibilities that fall upon them.

Records/ Waste Auditing:

A record shall be maintained of all waste removed from the site. The record shall include information on the type of waste removed, the quantity removed, the date when the waste was removed, details of whether the waste in question was being removed for either disposal or recovery, details of the individual or company removing the waste (including permit number), details of the facility to which the waste was removed (including licence or permit or CoR number).

A location shall be identified where all records in regard to waste transport, recovery, disposal will be held for inspection.

Prohibited Activities.

The Waste Management Acts, 1996 prohibit the unauthorised disposal, recovery or movement of waste.

Waste should not be burned.

Waste should not be buried on site.

Waste should not be transferred to unauthorised persons.

Waste should not be transferred to unauthorised sites.

Conclusion:

A copy of the completed Draft Waste Management Plan (WMP) for the development should be submitted to the Planning Authority for assessment and agreement prior to the submission of a Commencement Notice.

Further information on the preparation on Waste Management Plans can also be obtained from the following publication:

“Best Practice Guidelines on the Preparation of Waste Management Plans for Construction and Demolition Projects” – Department of the Environment, Heritage & Local Government, July, 2006.