

# **GUIDELINES FOR PREPARATION OF C&D WASTE MANAGEMENT PLANS FOR LARGE DEVELOPMENTS / REDEVELOPMENT PROJECT**

## **INTRODUCTION**

When required by a condition of a planning application, a Developer/Contractor shall prepare a Construction & Demolition Waste Management Plan which has to be agreed with Fingal County Council.

The Construction & Demolition Waste Management Plan (C&DWMP) has to provide an overall framework for the management of ALL waste arising on site. The C&DWMP has to 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. The C&DWMP should include the following:

## **PART I – GENERAL INFORMATION**

Provide details of the Contractor/Developer and the Site Manager responsible for implementation of the C&D WMP.

## **PART II – DESCRIPTION OF PROJECT AND WASTE GENERATED**

Details of the size, scale and nature of the works shall be provided. The main streams of waste and their origin should be identified.

If demolition will take place on the site, then a method statement should be included 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 methods used to removed, store, transport and dispose of all waste arising from demolition work.

Additionally, the site layout map is required where the place for temporary waste stored prior to disposal/recovery should be indicated. 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.

## **PART III – ESTIMATED C&D WASTE ARISING ON SITE**

A comprehensive list of the various waste streams arising on site and estimated quantities of each material. The European Waste Catalogue (EWC) code for each waste type has to be included. A sample list of EWC codes is provided in *Appendix 1*. A full listing is available on the EPA website. ([www.epa.ie](http://www.epa.ie))

In this part, the percentages for reuse, recycling and disposal for arising waste are required. This can be explained as a reasonable goal which is planned to be achieved during the works.

In addition, this part has to provide the detailed information about the methods for minimisation, reuse and recycling for each particular group of wastes.

## **PART IV – PROPOSAL FOR MINIMISATION, REUSE AND RECYCLING OF C&D WASTE**

This part details the methods for separation and storage of recyclable materials on-site pending collection (e.g. timber, paper & cardboard, metals, glass, plastic, concrete, soil/rubble/stone and other recyclable waste.) If it possible some specific information about estimated quantities for reuse, recycling and waste disposal should be included.

## **PART V – WASTE MANAGEMENT**

### **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 (A person may transport small quantities of waste in a vehicle who's gross axle weight is less than 2 Tonne provided such transport is incidental to their main business).

Waste Collection Permits for Fingal region are issued by Dublin City Council and Fingal County Council. Any person transporting waste should have a copy of their Waste Collection Permit on the vehicle at all times.

### **Permitted/Licensed Facilities Used**

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

## **PART VI – ASSIGNMENT OF RESPONSIBILITY**

This is information about person who is responsible for implication of C&DWMP during project realisation at the management and operational level.

### **Records**

*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 removed, details of whether the waste in question was being removed for either disposal or recovery/recycling, details of the transporter of waste, details of the facility to which waste is removed (including license or permit number). A location shall be identified where all records in regard to waste transport, recycling, disposal will be held for inspection.*

### **PROHIBITED ACTIVITIES.**

- ◆ **The Waste Management Acts, 1996-2005 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 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:

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

## APPENDIX 1

17 CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)

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 (18)**

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**