



# Newsletter

NCDWC - National Construction and Demolition Waste Council

## Introduction

The National Construction and Demolition waste Council has taken on board an initiative by it's subcommittee on Information and Public Awareness to produce a quarterly news update on the ongoing progress of the Council and other topical C&D Waste issues. As chairman of the NCDWC I am pleased to welcome all readers to the first issue and I hope you find the contents of interest. Further information regarding the NCDWC may be accessed at [www.ncdwc.ie](http://www.ncdwc.ie) or provided by e-mailing Secretariat, Marie Whelan at [info@ncdwc.ie](mailto:info@ncdwc.ie) or Tel. No. 01 4066066.



NCDWC Chairman –  
Sean Hegarty

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## Background to the NCDWC

The National Construction and Demolition Waste Council was established by the Forum for the Construction Industry on the recommendation of the Task Force B4 in June 2002. The Council was set up as a voluntary industry producer responsibility representing all relevant stakeholders with a role of providing a framework to achieve compliance with government policy and recycling

targets. A further objective of the Council is to carry out research, prepare action plans and give advice and guidance in relation to all matters of Construction and Demolition Waste and shall also make recommendations on the measures/steps that might be taken to ensure compliance with statutory requirements. The Membership of the NCDWC was agreed by the Forum for the Construction Industry.

NCDWC MEMBERSHIP		
CHAIRMAN	SEAN HEGARTY	
ORGANISATION	NOMINATED MEMBER	DESIGNATE ALTERNATE
Association of Consulting Engineers of Ireland	Joyanne Manning	
Building Materials Federation	Donal Dempsey	
Building Materials Federation	Paul Kelly	
City & County Managers Association	Matt Twomey	
City & County Managers Association	John Tierney	
Construction Industry Federation	Justin Molloy	
Construction Industry Federation	Jerry Beades	
Construction Industry Federation	Daniel O'Sullivan	
Department of the Environment & Local Government	Pat Macken	Terry Sheridan
Department of the Environment & Local Government	Brian Leech	Brendan O'Neill
Enterprise Ireland	Brendan Dollard	
Environment Protection Agency	Brian Meaney	
FAS	Pat Keelan	
Government Contracts Committee	Nicholas O'Loughlin	
Institution of Engineers of Ireland	PJ Rudden	Paddy Purcell
Irish Association of Demolition Contractors	Liam Hogan	
Irish Concrete Federation	Owen Rowley	Patricia Reidy
Irish Planning Institute	Carole Bond	
Irish Property & Facilities Managers Association	David O'Brien	
Irish Waste Management Association	Garry O'Neill	
National Roads Authority	Keiran Kelly	Stephen Smyth
National Standards Authority of Ireland	Fergal O'Byrne	
Royal Institute of the Architects of Ireland	Kevin Brady	
Society of Chartered Surveyors	Bernard Ryan	Conor Hogan
Chartered Institute of Waste Management	Clodagh McGrath	



Sean Hegarty and Donal Dempsey of the NCDWC presenting the first annual report to TD Martin Cullen.

## NCDWC Voluntary Industry Initiative

One of the key initiatives of the Council in its first year was the development of a plan for a Voluntary Industry Initiative involving all key participants. A draft proposal has been forwarded for endorsement to the Chief Executives of all organisations represented on the Council and so far the response has been positive

While the present level of C&D Waste recycling is estimated to be 65.4%, this is mainly comprised of the recovery of inert soil and stones at permitted sites. The purpose of the Voluntary Industry Initiative is to accelerate progress toward the Ministers 85% recycling target. The initiative also recognises that recycling is an established practice internationally and that Ireland must make much more substantial progress through voluntary effort, before engaging in new legislation which could prove to be ineffective or have unforeseen impacts.

The Voluntary Industry Initiative will be a rolling one in that it will concentrate on the major waste fractions in the early years and establish the most suitable practices for Ireland through practical experience. Further steps will be initiated later to focus the remaining element of C&D waste. Having evolved best practice, the need for legislation / regulation will be considered at a later stage. It is also proposed to recognise commitment to the Voluntary Industry Initiative through an annual awards scheme.

This initiative calls upon each of the representatives in the construction industry to commit themselves by undertaking a number of agreed actions, which will promote and accelerate recycling or reduce barriers to progress. All member organisations have been formally requested to participate in the Initiative with the majority of organisations responding positively to this request.

In September 2002 the Council appointed five subcommittees to review specific areas of interest:

### A Infrastructure and Facilities

Members:

Gerry Carty (Chairman)	RPS/MCOS
Pat Martin	Building Materials Federation
Tony Dean	Irish Waste Management Association
Liam Boylan	Society of Chartered Surveyors
Liam Hogan	Irish Association of Demolition Contractors

### B Markets for Recycled Materials and Specifications.

Members:

Jerry Beades (Chairman)	CIF
Stephen Smyth	National Roads Authority
Feargal O' Byrne	National Standards Authority of Ireland
Brendan O' Neill	DoEHLG
Michael Byrne	Building Materials Federation
Larry O' Toole	RPS/MCOS
James Goulding	Local Authority (Cork)
David Bowers	Society of Chartered Surveyors

### C Project best Practice and Waste Management Plans\*

#### D Review of the Regulatory Framework

\* Subcommittee C&D work in

Members:

Pat Keelan (Chairman)	FAS
Kevin Brady	Royal Institute of Architects of Ireland
David O' Brien	Irish Property & Facilities Managers Association
John Casey	Institute of Consulting Engineers of Ireland
John Nugent	Construction Industry Federation
Paul Jacob	Irish Waste Management Association
Des Mulcair	Construction Industry Federation
Pascal Quinn.	Construction Industry Federation
Ken Cribbin	Society of Chartered Surveyors
Gilbert Power	Local Authority (Fingal)
Jason Kearney	Dept. of the Environment, Heritage & Local Govn
Gerry Carty	RPS/MCOS
Paul Kelly	Irish Business and Employers Confederation
Bernard Ryan	Society of Chartered Surveyors
John Tierney	CCMA (Galway City Manager)

### E Public Awareness and Funding

Members:

Don O' Sullivan (Chairman)	CIF
Margaret Foynes	Local Authority (Dublin City)
Lynda Bradshaw-Dunn	CIF
Pat Keelan	FAS
Bernard Ryan	Society of Chartered Surveyors

# LATEST EPA STATISTICS ON C&D WASTE ARISING

The EPA 2001 National Waste Database has shown the level of C&D waste has increased by 35% since the previous statistics reports in 1998 Database. The annual volume of C&D now standing at 2,704,958 tonnes and this estimate is in line with construction increase for the period.

The recovery rate within the construction and demolition sector is currently estimated to be 65.4% compared to 43.3% recovered in 1998 and this recovery increase is welcome news for the NCDWC as it exceeds the governments target of 50% for 2003.

Recovered Material in the C&D Sector may be broken down as follows:

Category of C&D Waste	Recovery (tonnes)
1. Cover Material accepted at EPA licensed landfills	459,692
2. C&D Waste accepted for recovery at EPA licensed landfills	347,341
3. C&D waste accepted at local authority-permitted facilities	661,317
4. Soil accepted at local authority-permitted facilities	896,516
<b>Total</b>	<b>2,364,886</b>

The EPA report highlights that the data is based on the assumptions that soil and C&D waste accepted at local authority-permitted sites is recovered.

The report also highlights an estimated 500,000 tonnes of soil accepted at unauthorised sites.

It is anticipated that the recently established Office of Environmental Enforcement (OEE) will tackle the problems of illegal disposal of waste.

In order to bring about initiatives for waste prevention and minimisation the EPA are recommending that the National Waste Prevention programme proposed by the government be implemented immediately.

Another one of the major recommendations made in the report has direct impacts for the Construction Industry. The EPA are advising that Major Construction Projects which generate significant quantities of waste on a once off basis (e.g. Dublin Port Tunnel) have Waste Management Plans drawn up at the development stages and that these plans identify wastes arising and plan for waste management.

The EPA also recommend on the report that waste infrastructure be identified and waste data collection and reporting improves.

The biggest challenge for the Construction industry will now be to maintain a progressive increase in recycling to meet the governments recycling target of 85% by 2013. Key to the achievement of this target will be the development of recycling infrastructure.

In terms of general waste arising, which also has an impact for the construction industry, it is very concerning that the remaining national landfill capacity from 2001 stands at 4 years and alternatives are nowhere near being available.

On this basis it will be important that a network of facilities for the recycling of C&D waste be identified regionally, based on C&D waste arisings by region and that this information is included in the Regional Waste Management Plans.

Reference : EPA National Waste Database

## IEI Seminar on C&D Waste Management

A Construction and Demolition waste Seminar was held by the IEI on February 19th. The opening address by NCDWC Chairman Sean Hegarty highlighted the achievements of the Council and indicated that the Voluntary Initiative would be officially launched in September 2004. In a paper summarising C&D regulatory issues, Gerry Carty, EPA emphasised the overdependence on recovery at landfill sites and cautioned that the current 65.4% recycling level of C&D waste recycling was achieved due to a short term for upgrading landfill sites. Investments in integrated solutions will be key to ensuring a continued increase in the C&D waste recycling levels. Liam Hogan, Contracts Director with Hegarty Demolition Ltd. Provided some excellent examples of demolition projects where in excess of 90% recycling was achieved. A C&D Waste Management case study on the South Eastern Motorway presented by Study by Rory O' Sullivan, Project Resident Engineer with RPS-MCOS demonstrated how fill material deposited on the site decades earlier was sampled for contamination, separated and recycled. Shane O' Reilly, Recycling Manager with Roadstone provided an overview of Roadstone's C&D Waste Recycling Facilities in the greater Dublin area. Overall the seminar proved to be a great success both in promoting current C&D Waste Management initiatives and also providing a forum for debating various positions.

# New European standards for aggregates

In accordance with the European Construction Products Directive the development of common European standards developed by CEN are being implemented in Ireland as they become available.

By June 2004 the standards EN 13285 and EN 13242 which relate to unbound mixtures will be fully adopted as Irish National Standards. All conflicting Irish or British standards are to be withdrawn on that date.



*Recycled paving operation*

Under the NSAI the Road Standards Committee are in the process of preparing guidance documents for the new European standards, which will endeavour to provide guidance on the implementation and impact of the new standards in Ireland.

## Significance of the changes for the NCDWC

As part of the revision Clause 803 Granular Material Type A allows the use of recycled crushed mixed concrete aggregates as defined in Annex A of IS EN 13285. In accordance with the requirements of IS EN 13285 the composition of mixtures containing recycled crushed mixed concrete aggregates shall comply with Table A.1 of Annex A. The compositions in this table reflect established practice in some countries. Recycled Crushed Mixed Concrete Aggregates in accordance with IS EN 13285 allows for the inclusion of masonry as a component of the mix. Crushed masonry may include crushed concrete brick or block, or cut natural stone or rubble. Recycled materials will need to demonstrate ongoing conformity to factory production controls per the relevant European Standard, in this case IS EN 13285.

**Table A1: Crushed mixed concrete aggregates**

Components		Percentage by mass
Main	Crushed concrete (density > 2.1 Mg/m <sup>3</sup> ) And aggregates (including slag)	≥ 90
Other Granular	Crushed masonry	≤ 10
	Crushed reclaimed asphalt	≤ 5
Contaminants	Cohesive materials (including clay)	≤ 1
	Organic materials	≤ 0.1



*Waste concrete*

## New Course on C&D Waste Management to be made available for Clients, Design Professionals and other Professionals associated with the Industry

The Dublin Institute of Technology are developing a C&D Waste Management Course aimed at Clients, Design Professionals and other Professionals associated with the Industry. It is envisaged that the course will be made available from September 2004. More details will be provided at a later stage.