

Title	Recommend minimisation and resource recovery strategies for construction and demolition waste		
Level	4	Credits	10

Purpose	<p>This unit standard is for people working in the resource recovery industry but may also be appropriate for people working in the construction or demolition industries.</p> <p>People credited with this unit standard are able to assess materials and recommend waste minimisation and resource recovery strategies at a construction site and at a demolition site.</p>
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Classification	Resource Recovery > Resource Recovery - Construction and Demolition
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Available grade	Achieved
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Guidance Information

- References relevant to this unit standard include:
Hazardous Substances and New Organisms Act 1996;
Health and Safety at Work Act 2015;
Resource Management Act 1991;
local authority requirements for disposal at cleanfill sites;
The New Zealand Waste Strategy: Reducing Harm, Improving Efficiency 2010
Ministry for the Environment, available at <http://www.mfe.govt.nz>;
REBRI (Resource Efficiency in the Building and Related Industries) guidelines for reducing building material wastes and reports, available at <http://www.branz.co.nz/REBRI>.
- Definitions
Building components refer to fittings, structural materials and cladding.
Sites refer to construction and demolition sites. These may be commercial, industrial, domestic or any combination.

Outcomes and performance criteria

Outcome 1

Assess materials and recommend waste minimisation and resource recovery strategies at a construction site.

Range one site.

Performance criteria

- 1.1 A review of construction plans identifies and records specified material types and quantities.
- Range materials include but are not limited to – structural, roofing, wall lining, doors and windows, electrical, plumbing and drainage, fittings.
- 1.2 Specified materials are assessed for sustainability in accordance with Ministry for Environment targets and industry guidelines.
- 1.3 A site inspection identifies and quantifies building components that may be diverted from the waste stream, and recommends collection methods for separating single-item salvage from mixed waste.
- Range components may include but are not limited to – timber, concrete, plasterboard, reinforcing bar, electrical wiring, plastics, insulation.
- 1.4 The recommendations comply with acceptance criteria of local facilities in accordance with legislation and bylaws.
- Range facilities – recycling, hazardous waste, cleanfill, landfill; criteria include but are not limited to – material type, minimum quantity, maximum quantity.
- 1.5 The recommendations are consistent with current markets for materials.
- Range currency may be determined from – local recovery facilities, waste exchange directories, industry websites.

Outcome 2

Assess materials and recommend waste minimisation and resource recovery strategies at a demolition site.

Range one site.

Performance criteria

- 2.1 A site inspection identifies and records materials that may be salvaged for recovery.
- Range materials include but are not limited to – structural, roofing, wall lining, doors and windows, electrical, plumbing and drainage, fittings.

- 2.2 A site inspection identifies and quantifies demolition materials that may be diverted from the waste stream, and recommends collection methods for separating single-item salvage from mixed waste.

Range salvage may include but is not limited to – timber, concrete, plasterboard, reinforcing bar, electrical wiring, plastics, insulation, vegetation.

- 2.3 The recommendations comply with acceptance criteria of local facilities in accordance with legislation and bylaws.

Range facilities – recycling, hazardous waste, clean fill, landfill; criteria include but are not limited to – material type, minimum quantity, maximum quantity.

- 2.4 The recommendations are consistent with current markets for materials.

Range currency may be determined from – local recovery facilities, waste exchange directories, industry websites.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 October 2007	N/A
Rollover and Revision	2	28 March 2019	N/A

Consent and Moderation Requirements (CMR) reference	0014
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.