

<b>Title</b>	<b>Recommend minimisation and resource recovery strategies for construction and demolition waste</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	<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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<b>Classification</b>	Resource Recovery > Resource Recovery - Construction and Demolition
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<b>Available grade</b>	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.

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 October 2007	31 December 2025
Rollover and Revision	2	28 March 2019	31 December 2025
Review	3	24 April 2025	31 December 2025

#### Consent and Moderation Requirements (CMR) reference

0014

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.