

Title	Demonstrate knowledge of, and sort, construction and demolition materials for resource recovery		
Level	3	Credits	4

Purpose	<p>This unit standard is for people who work in the resource recovery industry.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of recoverable construction and demolition materials; and identify and sort construction and demolition materials for recovery.</p>
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Classification	Resource Recovery > Resource Recovery Operations
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Available grade	Achieved
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Guidance Information

- 1 All work practices must comply with:
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 Building and Related Industries) guidelines for
reducing building material wastes, available at <http://www.branz.co.nz/REBRI>.
- 2 Hazard controls, safety procedures, and personal protective equipment must be used throughout operations in accordance with company procedures.
- 3 Assessment against this unit standard may take place at a site where the materials are sourced or at a recycling facility. Evidence is required of recognising a range of construction and demolition materials acceptable for recovery.
- 4 Definitions
Company procedures mean the documented methods for performing work activities and include health and safety, environmental, and quality management requirements. They may refer to manuals, codes of practice, or policy statements.
LOSP refers to the timber preservation process using light organic solvent penetration.
PCP refers to the timber preservation process using pentachlorophenol.
REBRI means Resource Efficiency in Building and Related Industries.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of recoverable construction and demolition materials.

Range materials commonly sourced from building sites, earthworks, demolition activities, and supplied on a commercial basis.

Performance criteria

1.1 Types of construction and demolition waste are identified in accordance with local recycling opportunities.

Range includes but is not limited to – asbestos, timbers, bitumen, ceramics, rubble, plasterboard, masonry, steel.

1.2 Timbers, and restrictions on their use, are described in relation to treatment types.

Range Tanalised, boracic;
may include but is not limited to – LOSP, PCP.

1.3 An explanation of waste sorting specifications details contamination limits.

Outcome 2

Identify and sort construction and demolition materials for recovery.

Range sorting includes placing materials in containers;
containers may include but are not limited to – skip, bin, bay, trailer;
evidence is required of segregating – timber, metal, concrete and/or rubble, plasterboard.

Performance criteria

2.1 Timber, metal, plasterboard, and concrete and rubble items are identified and placed in designated containers and/or areas in accordance with company procedures and REBRI guidelines.

Range timber – fireboard, particleboard, off-cuts, framing, cladding, native;
metal – roofing iron, reinforcing, wiring, pipes.

2.2 Sorting and containment of materials ensures that littering and/or leaks are avoided during storage and/or transport.

2.3 Filling of containers complies with requirements for the safe operation of container lifting and/or moving equipment.

- 2.4 Filling of containers meets minimum and maximum quantities specified for transport and/or delivery in accordance with transport legislation, company procedures, and operational requirements.

Range containers filled with concrete and/or rubble do not exceed permitted weights.

- 2.5 Sorted materials meet company specifications for minimal contamination.

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	26 January 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>.