

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.

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	26 January 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.