

Title	Operate a baler in a resource recovery operation		
Level	3	Credits	3

Purpose	<p>This unit standard is for on-job learning and assessment for people working in the resource recovery industry.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of a baler; prepare to operate a baler; demonstrate the operation of a baler; compact a recycled or recoverable material and produce bales; and maintain a baler and bale area.</p>
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Classification	Resource Recovery > Resource Recovery Operations
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Available grade	Achieved
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Prerequisites	Unit 17593, <i>Apply safe work practices in the workplace</i> , or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 Hazard controls, safety procedures, and personal protective equipment must be used in accordance with company procedures.
- 2 The type of the baler used for assessment may be horizontal or vertical, compactor or mill, with a wrapping or banding end process. The maintenance of the baler is restricted to daily operating maintenance and excludes machine repairs and servicing that according to the manufacturer's instructions must be undertaken by a specialist.
- 3 Definition
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.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of a baler.

Performance criteria

- 1.1 The potential hazards of operating baling machines are identified and hazard controls are outlined in accordance with company procedures.
- 1.2 The mechanical functions of a baler are described in accordance with company procedures.

Outcome 2

Prepare to operate a baler.

Performance criteria

- 2.1 Requirements for compacting and baling are confirmed in accordance with company procedures.

Range includes but is not limited to – preparation of material to be baled, compression, strapping, recording.
- 2.2 Baler prestart checks are demonstrated in accordance with company procedures.
- 2.3 Feed requirements are confirmed with supervisor of supply in accordance with company procedures.

Range requirements include but are not limited to – consistency of supply, planned intervals.
- 2.4 Unsuitable material is identified and rejected in accordance with client requirements, manufacturer's instructions, and company procedures.

Outcome 3

Demonstrate the operation of a baler.

Performance criteria

- 3.1 Baler start-up and shutdown procedures are demonstrated in accordance with company procedures and manufacturer's instructions.
- 3.2 Baler is operated safely in accordance with company procedures.
- 3.3 Emergency shutdown is demonstrated in accordance with company procedures.

Outcome 4

Compact a recycled or recoverable material and produce bales.

Performance criteria

- 4.1 Input material is assessed and a quantity sufficient to produce complete bales is determined in accordance with company procedures.
- 4.2 The input material is received and fed into the baler in accordance with company procedures.
- Range may include – communication with people supplying the input material, dealing with reject material.
- 4.3 Operating specifications are maintained and processing faults are acted on in accordance with company procedures.
- Range operating specifications may include but are not limited to – compaction, contamination limit; processing faults may include but are not limited to – change in flow rates, blockage, empty binder.
- 4.4 Running checks of process are completed during operations in accordance with company procedures.
- 4.5 Material throughput is maintained in accordance with processing schedules.
- 4.6 The bales produced meet client and company requirements.
- Range content, size, shape, compaction, strapping tension.
- 4.7 The bales are labelled and stored in accordance with company procedures.

Outcome 5

Maintain a baler and bale area.

Performance criteria

- 5.1 Operator maintenance is demonstrated in accordance with company procedures.
- 5.2 In the event of a baler fault, baler lock out procedures are followed and specialist servicing requirements are reported in accordance with company procedures.
- Range may include but is not limited to – mechanical failure, electrical failure.

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	20 May 2011	N/A
Rollover and Revision	2	28 March 2019	N/A

Consent and Moderation Requirements (CMR) reference

0014

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.