

Title	Operate a pulp bale making unit		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: demonstrate knowledge of a pulp bale making unit; operate a pulp bale-making unit; and monitor and control the performance of a pulp bale-making unit.
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Classification	Wood Fibre Manufacturing > Pulp and Paper Manufacturing Skills
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Available grade	Achieved
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Guidance Information

1 Legislation and references

Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:

- Hazardous Substances and New Organisms Act 1996;
- Health and Safety at Work Act 2015;
- Resource Management Act 1991;
- Health and Safety at Work (Major Hazard Facilities) Regulations 2016.

2 Definitions

Operating parameters refer to the boundary conditions in which the operations are carried out in operating a pulp bale making unit.

Operating procedures refer to the process(es) that are worked through, e.g. standard operating procedure (SOP) in operating a pulp bale making unit.

Worksite documentation refers to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace, and are consistent with manufacturer's requirements. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, references, approved codes of practice, housekeeping standards, environmental considerations, sustainability, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the pulp and paper industry.

3 Assessment information

Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, worksite documentation and legislative requirements. This includes the knowledge and use of suitable tools and equipment.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of a pulp bale making unit.

Performance criteria

- 1.1 Purpose of the pulp bale making unit is explained.
- 1.2 Operating components and process controls in pulp bale making unit are described and their purpose and operation are explained.
- Range operating components may include but are not limited to – wire tier, bale turner, bale stacker, unit make up, unitiser, conveyors, palletiser, wire tester, weigh scales, label printer.
- 1.3 Operating parameters and capability of the pulp bale making unit are explained.
- 1.4 Issues in pulp bale making unit are explained.
- Range issues may include but are not limited to – safety, product protection, environmental and economic considerations.
- 1.5 Hazards associated with pulp bale making unit equipment are identified, and actions to be taken to minimise, or eliminate the hazards are described.
- Range hazards may include but are not limited to – wire, pressure, moving plant.
- 1.6 Consequences of non-conformance of pulp bale making unit with worksite operating procedures are described.
- 1.7 Roles and responsibilities of the pulp bale making unit operator are described.

Outcome 2

Operate a pulp bale-making unit.

Performance criteria

- 2.1 Safe work practices associated with a pulp bale making unit are identified and used.
- Range practices may include but are not limited to – isolation procedures, lock-out or tag-out, emergency stops, machine guarding, wearing appropriate safety equipment.
- 2.2 Pulp bale making unit is set up, started up, operated, and shut down.
- 2.3 Pulp bale unit weight is maintained within worksite parameters.

- 2.4 Wire ties are checked for unit security to meet specified requirements.
- 2.5 Pulp bale unit stacks are produced which meet worksite specifications for size, orientation, and shape.
- 2.6 Production rate is regulated in accordance with process requirements.
- 2.7 Essential care and housekeeping requirements are carried out.

Outcome 3

Monitor and control the performance of a pulp bale-making unit.

Performance criteria

- 3.1 Performance of a pulp bale-making unit is monitored and parameters are controlled in accordance with operating parameters.
- Range performance parameters may include but are not limited to – orientation, wire placement, appearance, labelling.
- 3.2 Operating and equipment faults and malfunctions are identified, and relevant corrective actions are taken.
- Range equipment faults and malfunctions – mechanical, electrical.
- 3.3 Pulp bale wrappers are monitored for presentation and protection against contamination, and corrective action is taken to meet specified requirements.
- 3.4 Pulp bale units are monitored for security, labelling, and presentation, and corrective action is taken to meet specified requirements.
- 3.5 Materials are replenished.
- Range wire, printing equipment consumables, bale wrap.
- 3.6 Production and quality records are completed.

Planned review date	31 December 2028
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	22 February 1995	31 December 2024
Revision	2	27 January 1997	31 December 2024
Review	3	25 February 1999	31 December 2024
Review	4	18 December 2006	31 December 2024
Review	5	24 October 2014	31 December 2025
Review	6	30 November 2023	N/A

Consent and Moderation Requirements (CMR) reference

0173

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

Comments on this unit standard

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.