

Title	Carry out basic operation and maintenance activities for a timber treatment plant		
Level	3	Credits	25

Purpose	People credited with this unit standard are able to: manage hazards associated with operating and maintaining timber treatment plant and activities; complete manufacturers' condition monitoring requirements for timber treatment plant components; maintain timber treatment plant components; and carry out basic operation of timber treatment plant and equipment.
----------------	--

Classification	Solid Wood Manufacturing > Timber Drying and Treatment
-----------------------	--

Available grade	Achieved
------------------------	----------

Guidance Information

- 1 Legislation
Health and Safety at Work Act 2015.
- 2 Definitions
Accepted industry practice – approved codes of practice and standardised procedures accepted by the wider wood manufacturing industry as examples of best practice.
Charge refers to a piece, single packet or multiple packets of timber.
Workplace procedures refer to documented policies and procedures set by the organisation carrying out the work, and to documented or other directions provided to staff, and applicable to the tasks being carried out. 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, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the industry sector.
- 3 Assessment information
All activities and evidence must meet workplace procedures and accepted industry practice.

Outcomes and performance criteria

Outcome 1

Manage hazards associated with operating and maintaining timber treatment plant and activities.

Performance criteria

- 1.1 Hazards associated with operating and maintaining timber treatment plant and equipment are identified, and actions to be taken to manage the hazards are described.
- Range may include but is not limited to – timber preservatives, testing chemicals, mobile plant, confined spaces, slip hazards, ventilation, moving parts.
- 1.2 Safe work practices associated with operating and maintaining timber treatment plant and equipment are applied.
- Range may include but is not limited to – isolation procedures, lock-outs, plant access procedures, permit systems, emergency stops, machine guarding, wearing appropriate safety equipment.
- 1.3 Plant and equipment are isolated or locked out for safe entry.
- Range includes but is not limited to – treatment vessels, storage tanks, pumps and valves.

Outcome 2

Complete manufacturers' condition monitoring requirements for timber treatment plant components.

Performance criteria

- 2.1 Visual inspection of timber treatment plant components and reports are completed.
- Range may include but is not limited to – pipe work, fittings, valves, actuators, door seals, pumps, treatment vessel, working and storage tanks, treatment solution, bunded areas, trolleys, drip pad, rails, air compressor, electrical systems, alarm systems.

Outcome 3

Maintain timber treatment plant components.

Performance criteria

3.1 Maintenance of timber treatment plant components is undertaken.

Range may include but is not limited to – door seals, filters, trolleys, motors or pumps, bolt-up doors, hydraulic rams.

Outcome 4

Carry out basic operation of timber treatment plant and equipment.

Performance criteria

4.1 Timber is inspected to ensure timber meets the requirements of treatment.

Range may include but is not limited to – moisture content, fungal degrade, grade, species, packet build, package information matches charge information.

4.2 Timber is loaded into treatment plant.

Range may include but is not limited to – length, alignment, movement restriction, treatment vessel secured.

4.3 Charge process is started and completed.

4.4 Charge process and schedule requirements are explained.

Range includes but is not limited to – pressure, vacuum, time, alarms.

4.5 Charge is removed, and treatment is verified by the charge sheet results.

4.6 Post treatment handling is carried out.

Replacement information	This unit standard replaced unit standard 154 and unit standard 21762.
--------------------------------	--

Planned review date	31 December 2024
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 April 2013	N/A
Review	2	28 May 2020	N/A

Consent and Moderation Requirements (CMR) reference	0013
--	------

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

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.