

<b>Title</b>	<b>Demonstrate knowledge of environmental issues in wood manufacturing industries</b>		
<b>Level</b>	<b>2</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of: the impacts on the environment resulting from practices of wood manufacturing industries; environmental legislative requirements for wood manufacturing industries; environmental policies and procedures relevant to workplaces in wood manufacturing industries, and demonstrate knowledge of employee responsibilities in relation to environmental considerations.
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<b>Classification</b>	Wood Manufacturing - Generic Skills > Wood Manufacturing Foundation Skills
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Legislation and references  
 Health and Safety at Work Act 2015.  
 Hazardous Substances and New Organisms Act 1996.  
 Resource Management Act 1991.  
*Best Practice Guideline for the Safe Use of Timber Preservatives & Anti-sapstain Chemicals* (Wellington, 2005), and is available through the New Zealand Timber Preservation Council, Wellington or online at <http://www.nztpc.co.nz>.
- 2 Definitions  
*Accepted industry practice* refers to approved codes of practice and standardised procedures accepted by the wider wood manufacturing industry as examples of best practice.  
*Wood manufacturing industries* include solid wood processing, pulp and paper, wood panels manufacturing, and wood product manufacturing.  
*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 wood manufacturing sector.

### 3 Assessment information

All activities and evidence must meet workplace procedures and accepted industry practice.

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## Outcomes and performance criteria

### Outcome 1

Demonstrate knowledge of the impacts on the environment resulting from practices of wood manufacturing industries.

#### Performance criteria

- 1.1 Advantages of following safe environmental practices are identified.  
Range evidence of three advantages is required.
- 1.2 Detrimental effects to the environment resulting from wood manufacturing are identified.  
Range evidence of four effects is required.
- 1.3 Environmental hazards resulting from contamination of air, soil, and water are identified.

### Outcome 2

Demonstrate knowledge of environmental legislative requirements for wood manufacturing industries.

#### Performance criteria

- 2.1 Environmental legislative requirements relevant to wood manufacturing industries are identified and their purpose is explained.  
Range one piece of legislation and one code of practice are required.
- 2.2 Activities or processes carried out in wood manufacturing industries that require resource consent are stated.  
Range evidence of three activities or processes is required.
- 2.3 The purpose of the resource consent process is outlined.

### Outcome 3

Demonstrate knowledge of environmental policies and procedures relevant to workplaces in wood manufacturing industries.

**Performance criteria**

- 3.1 Types of possible contamination within the workplace are identified.  
  
Range       contamination may include but is not limited to – wood residues, chemicals, contaminated storm water, process and water, emissions, fumes, dust, condensates, drip off, sludge, leaching, chemical containers; evidence of four is required.
- 3.2 Authorised waste collection and/or disposal sites in the workplace are identified by waste type and security requirements are explained.
- 3.3 Authorised waste collection agencies for the treatment or permanent disposal of the various types of environmental waste are identified.
- 3.4 Management procedures to avoid, remedy, mitigate, or prevent potential environmental problems are identified.
- 3.5 The purpose of a workplace environmental policy is described.  
  
Range       impact on the environment, employee responsibility.

**Outcome 4**

Demonstrate knowledge of employee responsibilities in relation to environmental considerations.

**Performance criteria**

- 4.1 Reasons for the avoidance of discharge of contaminants are explained.  
  
Range       short and long-term effects on health and safety, environmental, legislative requirements.
- 4.2 Employee duties in relation to environmental considerations are outlined.
- 4.3 Procedures to be followed in case of environmentally hazardous situations are explained.  
  
Range       procedures may include but are not limited to – personal health and safety, environmental protection, reporting.

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<b>Planned review date</b>	31 December 2024
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	5 July 1993	31 December 2012
Review	2	24 October 1996	31 December 2012
Review	3	10 February 1999	31 December 2012
Revision	4	14 March 2000	31 December 2012
Review	5	18 December 2006	31 December 2012
Rollover and Revision	6	15 April 2011	N/A
Review	7	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](mailto:qualifications@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.