



Australian Government

FWPWPP3211 Maintain caul plates and screens

Release: 1

FWPWPP3211 Maintain caul plates and screens

Modification History

Release	Comment
1	Replaces equivalent unit FPIWPP3211B Maintain caul plates and screens, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to clean, inspect and replace caul plates and screens in laminating and pressing equipment.

The unit applies to production operators and technicians who maintain caul plates and screens in a forest and wood products factory setting.

No licensing, legislative, regulatory, or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Wood Panel Products

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for maintenance	1.1 Review work order and where required check with appropriate personnel. 1.2 Select appropriate repair, maintenance and personal protective equipment and check for operational effectiveness. 1.3 Remove caul plates and screens for maintenance from designated machinery. 1.4 Plan maintenance process in line with work order.

2. Change, clean and polish caul plates	2.1 Follow organisational safety procedures and manufacturer's recommendations throughout all maintenance and repair processes. 2.2 Identify plates requiring cleaning and move from circuit to plate rack. 2.3 Process plates through full cleaning cycle; inspect for defects and separate for repair where required. 2.4 Dry plates, prepare for use and return to circuit. 2.5 Polish plates using polishing table and head. 2.6 Store polished plates for use in line with work order. 2.7 Store or dispose of unused chemicals in line with environmental protection practices.
3. Prepare backing screens	3.1 Roll screens from plate and secure. 3.2 Process screens through full cleaning cycle; stack and inspect for faults. 3.3 Identify defective screens, remove and dispose of these in line with environmental protection practices.
4. Remove and replace transport plates	4.1 Coordinate load shifting and transport requirements to remove and replace transport plates with minimal downtime. 4.2 Identify defective plates, remove from circuit and dispose of these in line with environmental protection practices. 4.3 Prepare and fit replacement plates. 4.4 Record and report process outcomes and equipment faults to appropriate personnel.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	- identify and set cycle time for chemical and heat treatment baths - read basic numerical machine settings.
Oral communication skills to:	ask questions and actively listen to clarify contents of work orders.
Reading skills to:	- interpret: - workplace health and safety and other organisational procedures

	• work orders • safety data sheets for chemicals • manufacturers' instructions and maintenance recommendations.
Writing skills to:	• complete accurate basic records for process outcomes and equipment faults.
Planning and organising skills to:	• efficiently and logically sequence the stages of repair and maintenance activities using work order to guide activities.
Problem-solving skills to:	• identify and dispose of defective materials • recognise faulty equipment and resolve by reporting or rectifying.
Technology skills to:	• select and use appropriate hand-held tools and personal protective equipment to complete maintenance and repairs • use chemical and heat treatment baths to maintain caul plates and screens.

Range of Conditions

Not Applicable

Unit Mapping Information

FPIWPP3211B Maintain caul plates and screens

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPWPP3211 Maintain caul plates and screens

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1	Replaces equivalent unit FPIWPP3211B Maintain caul plates and screens, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement.

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- complete maintenance jobs in line with individual work orders
- for each of the above jobs complete the following maintenance and repair activities:
 - process caul plates and screens through the full cleaning cycle which may be via chemical or heat treatment baths
 - polish caul plates to ensure optimum operation
 - inspect caul plates, screen and transport plates for defects and process for repair or dispose of.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- environmental protection practices for maintaining and repairing cauls and screens:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing defective materials
 - disposing of hazardous substances
- operational purpose and features of caul plates, screens and transport plates
- purpose, features and operation of tools and equipment used to maintain and repair caul plates and screens:

- chemical baths
- heat treatment baths
- polishing table and machinery
- methods used to remove and replace caul and transport plates
- typical defects and methods used to assess condition of caul plates, screens and transport plates:
 - buckling
 - buildup of board product
 - marking of plates
 - dents
- characteristics of metal used in caul plates and screens and how they respond to chemical and heat cleaning processes and polishing in the case of caul plates
- polishing techniques to ensure caul plate surfaces are smooth for optimum board separation
- methods used to safely handle and store chemicals used in the cleaning process
- organisational procedures specific to maintaining and repairing caul plates and screens:
 - workplace health and safety with particular emphasis on equipment lock out, use of personal protective equipment and handling hazardous substances
 - communication reporting lines
 - recording and reporting process outcomes and equipment faults.

Assessment Conditions

The following resources must be made available:

- equipment used to maintain and repair caul plates and screens:
 - chemical or heat treatment baths
 - polishing table and machinery
 - hand-held tools
- machinery containing caul plates and screens
- caul plates
- screens
- transport plates
- personal protective equipment suitable for maintaining and repairing caul plates and screens
- manufacturers':
 - safety data sheets for chemicals
 - instructions for equipment use
 - recommendations for cleaning and repairing equipment
- work order with specific instructions for maintenance of caul plates and screens in designated equipment
- template documents for recording process outcomes and equipment faults
- relevant personnel for the purposes of communicating information

- organisational procedures for maintaining and repairing caul plates and screens.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

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