



Australian Government

FWPWPP3203 Produce fibre from chips

Release: 1

FWPWPP3203 Produce fibre from chips

Modification History

Release	Comment
1	Replaces equivalent unit FPIWPP3203B Produce fibre from chips, 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 assess chips for production suitability, and operate a defibrator to convert wood chips to fibre for the production of medium density fibreboard.

The unit applies to production technician operators and machine operators in a forest and wood products factory setting and includes operator maintenance.

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

Timber Manufactured 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 fibre production	1.1 Review work order and where required check with appropriate personnel. 1.2 Select appropriate personal protective equipment and check for operational effectiveness. 1.3 Identify type and quantity of wood chips for fibre production, assess condition and select.

	1.4 Plan defibrator process in line with work order.
2. Produce fibre	2.1 Use equipment in line with organisational safety procedures, manufacturer's instructions and environmental protection practices. 2.2 Complete pre start-up equipment checks to ensure operational effectiveness. 2.3 Adjust defibrator and feed systems to produce required fibre size; check and adjust regularly. 2.4 Monitor chip flow and pulp out-feed to prevent blockages to ensure optimum production rate. 2.5 Direct fibre output to storage bins in line with prescribed fill levels. 2.6 Respond to critical situations requiring emergency shutdown to prevent personal injury or damage to machine or product. 2.7 Dispose of sub-standard material in line with environmental protection practices.
3. Complete operator maintenance	3.1 Follow organisational safety procedures to lock out equipment. 3.2 Check defibrator blades for bluntness or damage, remove and replace in line with manufacturer's recommendations. 3.3 Dispose of used blades in line with environmental protection practices. 3.4 Clean defibrator components in line with manufacturer's recommendations, keeping machine clear of dust and debris. 3.5 Record and report production outcomes, equipment faults and maintenance requirements 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 quantities of required material within work orders and measure volume of wood chips - read basic numerical machine settings and choose according to required fibre size.
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 • manufacturers' instructions and maintenance recommendations.
Writing skills to:	• complete accurate basic records for production outcomes, equipment faults and maintenance requirements.
Planning and organising skills to:	• efficiently and logically sequence the stages of preparation and production using work order to guide activities...

Range of Conditions

Not Applicable

Unit Mapping Information

FPIWPP3203B Produce fibre from chips

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 FWPWPP3203 Produce fibre from chips

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1	Replaces equivalent unit FPIWPP3203B Produce fibre from chips, 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 fibre production jobs and safely operate defibrator in line with individual work orders prescribing different fibre size and quantity for each job
- complete assessments of the source wood chips for:
 - species
 - size
 - moisture content
 - contamination issues
 - monitor and adjust the feed system according to:
 - white water
 - stock level
 - fibre consistency
 - feed level
 - steam flow
 - raw water
 - noise
 - power consumption
- after each of the above jobs, complete operator maintenance on the defibrator.
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Knowledge Evidence

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

- environmental protection practices for producing fibre from wood chips:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing fibre, pulp and other waste
- typical flow of material supply in and out of the fibre production area
- methods used to assess wood chips for:
 - species
 - size
 - moisture content
 - contamination issues
- typical work flow processes and techniques used to produce fibre from wood chips
- purpose, features and operation of equipment used to produce fibre from chips:
 - defibrator
 - feed system
- methods for assessing defibrator blade condition and completing basic non-specialist repair and maintenance
- organisational procedures specific to producing fibre from chips:
- workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
- communication reporting lines
- recording and reporting production outcomes, equipment faults and maintenance requirements.

Assessment Conditions

The following resources must be made available:

- defibrator
- feed system
- maintenance tools and equipment
- consumable defibrator blades
- personal protective equipment suitable for producing fibre from chips
- wood chips from various timber species
- manufacturers' instructions for use and maintenance of equipment
- work order with specific instructions for assessing wood chips and producing fibre to a specified grade
- template documents for recording production outcomes, equipment faults and maintenance requirements
- relevant personnel for the purposes of communicating information
- organisational procedures for producing fibre from chips.

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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