



Australian Government

FWPSAW4210 Plan for and supervise timber dry mill operations

Release: 1

FWPSAW4210 Plan for and supervise timber dry mill operations

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

Application

This unit of competency describes the skills and knowledge required to plan, supervise and evaluate the dry mill operations of a timber processing facility.

The unit applies to personnel responsible for planning and supervising dry mill operations in a timber processing work environment.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

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

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing (SAW)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan for timber dry mill production	1.1 Review production schedule and confirm production targets, production specifications and performance indicators 1.2 Confirm workplace health and safety, quality and environmental protection practices and/or procedures 1.3 Confirm legislation, standards and codes of practice relevant to

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	timber dry mill operations 1.4 Identify hazards and associated risks, and implement corrective actions according to workplace procedures 1.5 Inspect raw materials, identify possible production and quality implications and communicate variations to production methods to team members 1.6 Communicate production schedule, production targets, product specifications and performance indicators, to team members 1.7 Maintain communication with team members to ensure production schedule and workplace health and safety, environmental protection and quality practices and/or procedures are met
2. Supervise timber dry mill production	2.1 Monitor workflow and production, and check that targets, performance indicators and product specifications are met 2.2 Monitor all stages of production process in timber dry mill operations 2.3 Monitor operation of plant and equipment used in timber dry mill operations 2.4 Assist team members to evaluate timber defects, identify faults and rectify or report production problems 2.5 Monitor implementation of quality processes and chain of custody requirements 2.6 Evaluate effectiveness of production processes at key points 2.7 Modify production processes or schedules, as required, to ensure optimum performance 2.8 Monitor implementation of processes for reuse, recycling or disposal of sub-standard material 2.9 Respond to breakdowns, disruptions to production and unplanned events, including equipment failures at process stages, bottlenecks in production process and product variations, according to workplace procedures 2.10 Direct processed timber to storage or transfer for further processing 2.11 Investigate, record and report information on output, quality, workplace health and safety and equipment faults, and resolve or report to appropriate personnel

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Oversee timber dry mill maintenance and inventory management requirements	3.1 Monitor implementation of routine and preventative maintenance and cleaning requirements 3.2 Maintain product and material inventory levels to meet production and contingency requirements
4. Evaluate timber dry mill production	4.1 Analyse data and observations on production, operations, faults and output to identify opportunities for process improvement 4.2 Report on production, health and safety, environmental protection and quality metrics to appropriate personnel according to workplace procedures 4.3 Seek comments and feedback from team members to identify opportunities for process improvement 4.4 Analyse feasibility of potential process improvements 4.5 Document process improvements and communicate to appropriate personnel according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret/analyse technical documents and workplace policies and procedures relevant to timber dry mill operations
Writing	Complete workplace documents on routine and non-routine matters for a variety of audiences relevant to timber dry mill operations
Oral communication	Use appropriate vocabulary to communicate on technical and work team performance matters related to timber dry mill operations
Numeracy	Analyse statistical data on production, quality, health and safety and environmental protection relevant to timber dry mill operations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSAW4210 Plan for and supervise timber dry mill operations	FWPSAW4205 Plan and monitor timber conversion	Unit redeveloped to increase its application and address a relevant skill or task that is required by industry	Not equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPSAW4210 Plan for and supervise timber dry mill operations

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has planned and supervised two production cycles for one softwood or hardwood dry mill.

In performing this task, the individual has:

- communicated and coordinated personnel to follow planning, workplace health and safety, quality and environmental protection practices and/or procedures and scheduling requirements
- complied with legislation, standards and codes of practice relevant to dry mill operations
- monitored dry mill operations and identified and rectified production and equipment problems and faults
- monitored implementation of quality processes and chain of custody requirements
- directed timber products to storage or transfer for further processing
- analysed, recorded and reported production information, including output, quality, faults and safety data
- evaluated dry mill operation and suggested one process improvement.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- health and safety hazards or risks related to timber dry mill operations as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- key requirements of legislation, standards and codes of practice relevant to timber dry mill operations
- workplace procedures specific to planning and supervising timber dry mill operations, including:
 - health and safety, including use of personal protective equipment (PPE)

- environmental protection, including disposing, recycling and reusing timber
- quality assurance and chain of custody requirements and practices
- communication channels and protocols to communicate with team members
- recording and reporting information on output, quality, workplace health and safety and equipment faults
- purpose, features and operation of plant and equipment used in timber dry mill operations
- type, procedures, common faults and equipment used in production processes in timber dry mill operations, including:
 - unloading
 - drying
 - planing
 - scanning
 - cutting
 - end matching
 - grading
 - sorting
 - packaging
 - despatch
- methods for problem identification, including equipment failures at process stages, bottlenecks in production process and product variations, and resolution strategies
- process improvement for timber dry mill operations, including:
 - data
 - methods
 - participative approaches
 - communication.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber processing plant, a timber product manufacturing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - timber dry mill
 - timber supplies
 - computers, keyboards, printers and software used to prepare planning and production documents
 - PPE suitable for timber dry mill operations
- specifications:

- production requirements, quality and output data for timber dry mill operations
- templates for documenting relevant information on timber dry mill production and operations
- workplace procedures for timber dry mill operations
- workplace health and safety and environmental protection policies and/or procedures applicable to timber dry mill operations
- relationships:
 - relevant personnel for the purposes of communicating requirements related to timber dry mill operations.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>