



Australian Government

Assessment Requirements for FWPSAW3231 Perform secondary log breakdown

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0.

Performance Evidence

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

There must be evidence that, on at least one occasion, the individual has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- operated sawing equipment to break down flitches and cants to produce edged (cut lengthwise) and trimmed (cut widthwise) boards
- monitored the performance of sawing equipment
- implemented routine maintenance procedures for sawing equipment.

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:

- types of risk, hazards and mitigation measures associated with secondary log breakdown operations
- workplace procedures specific to breaking down logs:
 - workplace health and safety, with particular emphasis on equipment lock-out and use of personal protective equipment (PPE)
 - communication reporting lines
 - recording and reporting of processing problems and equipment faults
- environmental protection practices for forest products factory settings:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber
- distinction between primary and secondary log breakdown
- basic operations that transform logs into sawn boards:
 - sawing

- edging
- trimming
- impact of secondary log breakdown on recovery
- purpose, operating components and operation of sawing equipment
- operating parameters and capability of sawing equipment
- safety features of sawing equipment:
 - isolation procedures
 - stop button
 - lock-out switch or system
 - hold cards
 - guards
- processing constraints and potential solutions:
 - markets
 - flitch and cant supply
 - timber defects
 - product mix
 - downstream processing options
- typical workflow processes for secondary log breakdown
- hazards associated with the operation of sawing equipment:
 - moving equipment
 - dust
 - mobile plant
 - noise
- typical flow of log supply in and out of the sawing area
- range of cutting patterns used on logs to achieve maximum output of edged (cut lengthwise) and trimmed (cut widthwise) boards
- range of feed rates and how they affect production output and finished quality of boards
- characteristics of timber
- breakdown processes, feed rates and finish
- methods for assessing saw blade condition
- types of storage and labelling systems
- typical log defects and the impact on production of quality flitches and cants:
 - warp
 - wane
 - curvature
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets

- types of and processes for implementing routine operator maintenance activities associated with sawing operations.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber processing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - automatic, manual or semi-automated sawing equipment for use in secondary log breakdown
 - PPE for the secondary log breakdown
 - a selection of cants and flitches
- specifications:
 - manufacturer instructions for equipment operation and maintenance
 - work order with specific instructions for secondary log breakdown and despatching to downstream processing
 - template documents for recording equipment faults and maintenance requirements
 - workplace policies and procedures for secondary log breakdown.

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>