



Australian Government

Assessment Requirements for FWPSAW3255 Operate conventional log breakdown saw line

Release: 1

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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 run and monitored a conventional log breakdown saw line for one production cycle in an equipment configuration specific to one of the following sawmill operations:

- primary processing operations
- secondary processing operations.

In performing this task, the individual has:

- followed workplace health and safety and operating procedures
- checked equipment, production input and process readiness to ensure operational effectiveness
- selected and adhered to a cutting schedule during breakdown operation to optimise grade, size and recovery
- verified output quality and identified two real or hypothetical reasons for quality variations and corrective actions
- performed routine equipment maintenance and cleaning operations
- produced routine reports containing information on production, maintenance and quality.

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 hazards, associated risks and mitigation measures associated with breaking down logs
- workplace procedures specific to breaking down logs, including:
 - health and safety, including use of personal protective equipment (PPE) and equipment lock-out

- communication reporting lines
- recording and reporting of processing problems and equipment faults
- emergency procedures
- workplace environmental protection requirements and practices specific to timber processing plants, including:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber
- log breakdown equipment in workplace environment, including:
 - configuration
 - purpose
 - components
 - operating parameters
 - capability
 - operation
- safety features of breakdown equipment, including:
 - isolation procedures
 - stop button
 - lock-out switch or system
 - hold cards
 - guards
- log breakdown process
- distinction between primary and secondary log breakdown
- typical workflow for breaking down logs
- downstream processing options for log breakdown operations
- range of cutting patterns used on logs to optimise for maximum recovery and maximum value
- range of feed rates and how they affect production output and finished quality
- factors that impact on output quality in log breakdown operations, including:
 - log or timber characteristics and defects
 - variations in size
 - blunt and damaged saws
- log breakdown equipment faults, including methods for assessing saw blade condition
- routine operator maintenance activities associated with sawing operations.

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 or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - conventional log breakdown equipment
 - PPE suitable for log breakdown operations
 - logs for processing
- specifications:
 - workplace procedures for log breakdown operations
 - workplace emergency procedures relevant to log breakdown operations
 - workplace health and safety and environmental protection policies and/or procedures applicable to log breakdown 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>