



Australian Government

FWPSAW3230 Perform primary log breakdown

Release: 1

FWPSAW3230 Perform primary log breakdown

Modification History

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

Application

This unit of competency describes the skills and knowledge required to operate an automatic, manual or semi-automated log breakdown system, namely a headrig saw centre and accompanying conveying systems, to convert logs into flitches or cants.

The unit applies to individuals who operate breakdown equipment to convert logs into flitches or cants for re-sawing in a timber processing plant.

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. Prepare for primary log breakdown	1.1 Review work order and, where required, check with appropriate personnel 1.2 Review workplace health and safety procedures, including the use of personal protective equipment, equipment lock-out and safe manual handling techniques

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify, assess and take actions to mitigate risks and hazards associated with performing primary log breakdown 1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency 1.5 Match cutting pattern and product mix to available logs according to workplace procedures 1.6 Identify processing constraints and potential solutions according to workplace procedures
2. Operate breakdown equipment to produce cants and flitches	2.1 Complete pre-start-up checks according to manufacturer and workplace procedures 2.2 Check input logs to ensure compliance with specifications 2.3 Check that other upstream and downstream processing stages are ready for production 2.4 Select cutting programme based on incoming logs and work order requirements 2.5 Cut trial log to check for quality and compliance with cutting schedule requirements 2.6 Operate breakdown equipment to comply with the cutting strategy, maximise grade and size and optimise recovery value 2.7 Manage product flow to ensure efficient workflow in the sawmill and optimise breakdown operations
3. Monitor the performance of breakdown equipment	3.1 Enter control information into any control device fitted to the breakdown equipment according to workplace procedures 3.2 Monitor and interpret output data according to workplace procedures 3.3 Monitor output from the breakdown equipment and implement corrective action according to workplace procedures 3.4 Complete production, maintenance and quality records according to workplace procedures 3.5 Identify routine processing problems, and resolve or report to appropriate personnel
4. Implement routine maintenance procedures for breakdown	4.1 Carry out preventative maintenance and cleaning schedule for breakdown equipment according to workplace procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
equipment	4.2 Coordinate saw changes with other staff and make adjustments to breakdown equipment 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	- Extracts information from manufacturer procedures to verify safe lock-out procedures when performing routine equipment maintenance - Determines work specifications by identifying information in work orders
Writing	- Completes basic written reports for maintenance staff on observed equipment faults - Completes hazard identification forms
Oral communication	- Asks open and closed questions to clarify work instructions - Responds to questions on routine matters related to output quality from quality control personnel
Numeracy	- Counts number of logs to be sawn - Performs basic calculations to determine feed rate to optimise quality and quantity of production output
Navigate the world of work	Understands main tasks, responsibilities and boundaries of own role
Interact with others	Participates in conversations with team members relevant to the implementation of maintenance procedures
Get the work done	- Identifies and responds to routine problems - Plans and organises own work activities and resources

Unit Mapping Information

Code and title	Code and title	Comments	Equivalence status
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current version	previous version		
FWPSAW3230 Perform primary log breakdown	FWPSAW3203 Break down logs	Updated unit title to focus unit on primary log breakdown process; revised elements, performance criteria and evidence; updated foundation skills; clarified assessment requirements	No equivalent unit

Links

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