



Australian Government

Assessment Requirements for FWPSAW2211 Round softwood logs

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 the individual has, on at least on one occasion, rounded softwood logs using a machine that shapes the debarked log into a round pole, and has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- identified, assessed and taken actions to mitigate risks and hazards associated with rounding activities
- rounded softwood logs following workplace policies and procedures
- stored poles according to workplace requirements
- completed each of the following basic non-specialist maintenance activities on at least one occasion:
 - checked the operation of emergency stop buttons and lock-out systems
 - cleaned the machine of wood chips and sawdust
 - replaced blunt cutters
 - inspected machine parts for wear or damage, including guards
 - greased and lubricated moving parts
- completed handover functions.

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:

- purpose, features and operation of equipment used to round softwood logs:
 - measuring equipment
 - rounding plant
 - scanners that calibrate dimension sizes
 - back-up computer device

- automated conveyor system to transport logs to and from the rounding plant
- maintenance tools and equipment for cutters
- methods used to assess logs for:
 - diameter
 - curvature
 - faults
 - species
 - moisture content
- typical work flow processes for rounding logs
- typical flow of log supply in and out of the production area
- range of feed rates and how they affect production output and finished quality of rounded logs
- methods for assessing and rectifying typical scanner problems:
 - tangles
 - sorting pockets
 - monitor failure
- methods for assessing cutter condition
- log rounding systems, processes, feed rates and finish
- characteristics of timber
- storage systems and labelling
- environmental protection practices for forest products factory settings:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber
- typical log defects and how they affect ability to produce quality rounded softwood logs:
 - warp
 - wane
 - curvature
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- workplace procedures specific to rounding 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 processing problems and equipment faults.

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:
 - measuring equipment
 - moisture probes
 - rounding plant
 - automated conveyor system to transport logs to and from the rounding plant
 - maintenance tools and equipment for cutters
 - consumable cutters
 - PPE suitable for producing sawing and moving flitches and cants
 - a selection of logs
- specifications:
 - manufacturer instructions for use, repair and maintenance of equipment
 - work order with specific instructions for rounding logs and despatch to downstream processing
 - template documents for recording equipment faults and maintenance requirements
 - workplace procedures for rounding logs.

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>