



Australian Government

FWPCOT3342 Screen wood chips

Release: 1

FWPCOT3342 Screen wood chips

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 use mechanical screen processes to separate oversize, over-thick, pins, fines and any contaminants in the wood chip flow from the accepted chips.

The unit applies to individuals who screen wood chips in wood processing work environments.

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

Common Technical (COT)

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 wood chip screening	1.1 Determine job requirements from work order or instructions and, where required, check with appropriate personnel 1.2 Confirm workplace health and safety and environmental protection practices and/or procedures for task, including use of personal protective equipment

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 and assess hazards and take actions to mitigate risks related to operation of wood chip screening system 1.4 Confirm type and quantity of wood chips to be screened from production process 1.5 Complete pre-operational checks on wood chip screening system according to manufacturer instructions and workplace procedures
2. Screen wood chips	2.1 Start wood chip screening system according to workplace procedure 2.2 Set and adjust operating parameters to achieve production requirements
3. Monitor and control performance of wood chip screening system	3.1 Monitor product quality, plant performance and process according to workplace procedures 3.2 Monitor screening continually for matter that may cause contamination 3.3 Monitor conveyor operations and clear jams to ensure free flow of output material to transfer systems 3.4 Maintain incoming chip supply to match downstream production requirements 3.5 Identify operating and equipment faults and malfunctions, and take corrective action as required 3.6 Check output chips for conformity with quality specifications and production requirements
4. Perform operator maintenance on wood chip screening system	4.1 Shut down and isolate wood chip screening system according to workplace health and safety procedures 4.2 Clean wood chip screening system according to manufacturer instructions 4.3 Conduct visual inspection of wood chip screening system according to workplace procedures 4.4 Check condition of wood chip screening system components 4.5 Dispose of waste according to workplace environmental protection practices and/or procedures 4.6 Record and report system faults and maintenance requirements to appropriate personnel

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	Read routine workplace documentation related to screening wood chips
Writing	Complete routine records for processing and equipment faults
Oral communication	Ask open and closed probing questions and actively listen to clarify contents of work orders
Numeracy	- Interpret and select machine numerical settings appropriate for wood chip size and specification - Estimate sizes of wood chips

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT3342 Screen wood chips	FWPSAW3215 Screen wood chips	Updated Application Revised and added new Elements and Performance Criteria Revised Foundation Skills, Performance Evidence and Assessment Conditions Added new Knowledge Evidence items	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 FWPCOT3342 Screen wood chips

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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 screened wood chips using mechanical screen processes for one production period according to workplace procedures and quality specifications.

In performing this task, the individual has:

- operated wood chip screening system according to workplace health and safety and operating requirements
- adjusted operating parameters to accommodate specified wood chip size and production requirements
- monitored incoming wood chip supply and operation to detect and resolve operational problems and ensure product quality and efficient flow of output to transfer systems
- cleaned, checked and reported on condition of wood chip screening system.

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 of screening wood chips
- operating capacity, parameters, features, components and operation of wood chips screening system
- characteristics used to screen and sort wood chips, including:
 - species
 - size
 - moisture content
 - contaminants
- typical contaminants found in wood chips and how they affect ability to produce quality products, including:
 - bark

- charcoal
- sand, stones and metal
- hazards associated with wood chips screening
- consequences of non-conformance of wood chips with quality standards
- typical flow of wood chips supply in and out of the screening area
- industry and workplace specific quality specifications for wood chips
- stages of the wood chip production, screening and transfer process
- operating faults and malfunctions related to wood chips screening system
- environmental protection requirements and practices for forest products factory settings, including:
 - cleaning of plant, tools and equipment
 - reducing water and energy use
 - disposal, recycling and reuse
- workplace policies and procedures specific to screening wood chips, including:
 - health and safety, with particular emphasis on the use of PPE, equipment lock-outs and isolation, emergency stops, machine guarding
 - communication reporting lines
 - recording and reporting processing and equipment faults.

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, wood chip processing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - wood chips screening system
 - a selection of wood chips
 - PPE suitable for screening wood chips
- specifications:
 - workplace procedures for screening wood chips
 - production requirements
 - workplace health and safety and environment protection policies and/or procedures applicable to screening wood chips.

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

Links

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