



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **FPISAW3215B Screen wood chips**

**Release: 1**

## **FPISAW3215B Screen wood chips**

### **Modification History**

Not Applicable

### **Unit Descriptor**

#### **Unit descriptor**

This unit describes the outcomes required to operate the screening process and to screen wood chips for species, size and defects

General workplace legislative and regulatory requirements apply to this unit; however there are no specific licensing or certification requirements at the time of publication

This unit replaces FPISAW3215A Screen wood chips

### **Application of the Unit**

#### **Application of the unit**

The unit involves screening wood chips in a forest products factory setting

The skills and knowledge required for competent workplace performance are to be used within the scope of the person's job and authority

### **Licensing/Regulatory Information**

Refer to Unit Descriptor

### **Pre-Requisites**

#### **Prerequisite units**

## **Employability Skills Information**

**Employability skills**            This unit contains employability skills

## **Elements and Performance Criteria Pre-Content**

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

## Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for screening	<p>1.1. Applicable <b><i>Occupational Health and Safety</i></b> (OHS), <b><i>environmental, legislative</i></b> and <b><i>organisational requirements</i></b> relevant to screening wood chips are identified and followed</p> <p>1.2. <b><i>Work order</i></b> is reviewed and checked with <b><i>appropriate personnel</i></b></p> <p>1.3. Type and quantity of <b><i>wood chips</i></b> to be <b><i>screened</i></b> are acquired from the production process</p> <p>1.4. <b><i>Equipment</i></b> is selected appropriate to work requirements and checked for operational effectiveness in line with manufacturer's recommendations</p> <p>1.5. Screening process is planned in line with site procedures and environmental requirements</p> <p>1.6. <b><i>Communication</i></b> with others is established and maintained in line with OHS requirements</p>
2. Screen wood chips	<p>2.1. <b><i>Pre start-up checks</i></b> are carried out on equipment in line with site requirements</p> <p>2.2. Machines and <b><i>feed systems</i></b> are started and adjusted to screen wood chip size in line with organisational requirements</p> <p>2.3. Coarse and fine screens are regularly raked and cleared to <b><i>remove</i></b> oversized material in line with standard operating procedures and environmental requirements</p> <p>2.4. Screening is regularly sampled and analysed to ensure wood chips conform to quality specifications and organisational requirements</p> <p>2.5. Wood chips that do not conform to quality specifications and organisational requirements are segregated and <b><i>disposed of</i></b> in line with site procedures and environmental requirements</p> <p>2.6. Screening is continually monitored for matter which may cause <b><i>contamination</i></b></p> <p>2.7. Conveyor operations are monitored and jams cleared to ensure free flow of output material to transfer systems</p> <p>2.8. Screening process and equipment faults are <b><i>recorded and reported</i></b> to the appropriate personnel</p>

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level required for this unit

#### Required skills

- Technical skills sufficient to use and maintain relevant tools, machinery and equipment; efficiently and safely screen wood chips
- Communication skills and interpersonal techniques sufficient to interact appropriately with colleagues and others in the workplace
- Literacy skills sufficient to accurately record and report workplace information, and maintain documentation
- Numeracy skills sufficient to estimate, measure and calculate time required to complete a task
- Problem solving skills sufficient to identify problems and equipment faults and demonstrate appropriate response procedures

#### Required knowledge

- Applicable Commonwealth, State or Territory legislation, regulations, standards, codes of practice and established safe practices relevant to the full range of processes for screening wood chips
- Environmental protection requirements, including the safe disposal of waste material, minimising carbon emissions and the cleaning of plant, tools and equipment
- Organisational and site standards, requirements, policies and procedures for screening wood chips
- Environmental risks and hazards
- Wood chip screening techniques and assessment
- Characteristics of wood chips and stock levels
- Chip production process
- Storage systems and labelling
- Established communication channels and protocols
- Problem identification and resolution strategies and common fault finding techniques
- Types of tools and equipment and procedures for their safe use, operation and maintenance
- Appropriate mathematical procedures for estimating and measuring, including calculating time to complete tasks
- Procedures for recording and reporting workplace information

# Evidence Guide

## EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

### Overview of assessment

A person who demonstrates competency in this unit must be able to provide evidence that they can safely and efficiently screen wood chips within organisational requirements

### Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to, and satisfy, all of the requirements of the elements of this unit and include demonstration of:

- following applicable Commonwealth, State or Territory legislative and regulatory requirements and codes of practice relevant to screening wood chips
- following organisational policies and procedures relevant to screening wood chips
- screening wood chips in line with the work order and within prescribed organisational requirements
- directing wood chips to the transfer process in line with organisational requirements and OHS regulations

### Context of and specific resources for assessment

- Competency is to be assessed in the workplace or realistically simulated workplace
- Assessment is to occur under standard and authorised work practices, safety requirements and environmental constraints
- Assessment of required knowledge, other than confirmatory questions, will usually be conducted in an off-site context
- Assessment is to follow relevant regulatory or Australian Standards requirements
- The following resources should be made available:
  - workplace location or simulated workplace
  - materials and equipment relevant to undertaking work applicable to this unit
  - specifications and work instructions

### Method of assessment

- Assessment must satisfy the endorsed Assessment Guidelines of the FPI11 Training Package
- Assessment methods must confirm consistency and accuracy of performance (over time and in a range of

## EVIDENCE GUIDE

workplace relevant contexts) together with application of required knowledge

- Assessment must be by direct observation of tasks, with questioning on required knowledge and it must also reinforce the integration of employability skills
- Assessment methods must confirm the ability to access and correctly interpret and apply the required knowledge
- Assessment may be applied under project-related conditions (real or simulated) and require evidence of process
- Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances
- Assessment may be in conjunction with assessment of other units of competency
- The assessment environment should not disadvantage the candidate
- Assessment practices should take into account any relevant language or cultural issues related to Aboriginality, gender or language backgrounds other than English
- Where the participant has a disability, reasonable adjustment may be applied during assessment
- Language and literacy demands of the assessment task should not be higher than those of the work role

## Range Statement

### RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

**OHS requirements:** are to be in line with applicable Commonwealth, State or Territory legislation and regulations, and organisational safety policies and procedures, and

## RANGE STATEMENT

may include:

- personal protective equipment and clothing
- safety equipment
- first aid equipment
- fire fighting equipment
- hazard and risk control
- fatigue management
- elimination of hazardous materials and substances
- safe forest practices including required actions relating to forest fire
- manual handling including shifting, lifting and carrying
- machine isolation and guarding
- legislation
- organisational policies and procedures
- workplace practices

**Environmental requirements**  
may include:

**Legislative requirements:**

are to be in line with applicable Commonwealth, State or Territory legislation, regulations, certification requirements and codes of practice and may include:

- award and enterprise agreements
- industrial relations
- Australian Standards
- confidentiality and privacy
- OHS
- the environment
- equal opportunity
- anti-discrimination
- relevant industry codes of practice
- duty of care

**Organisational requirements**  
may include:

- legal
- organisational and site guidelines
- policies and procedures relating to own role and responsibility
- quality assurance
- procedural manuals
- quality and continuous improvement processes and standards
- OHS, emergency and evacuation procedures



## RANGE STATEMENT

- ethical standards
- recording and reporting requirements
- equipment use and maintenance and storage requirements
- environmental management requirements (waste minimisation and disposal, recycling and re-use guidelines)

**Work order** is to include:

- instructions for the screening of chips and the chip size

and may include:

- feed rate
- quantity
- instructions for the environmental monitoring of work and procedures
- environmental care requirements relevant to the work

**Appropriate personnel** may include:

- supervisors
- suppliers
- clients
- colleagues
- managers

**Wood chips**

are the output product of converting wood into chip material which is then used to produce other products

**Screening**

is the process of sorting wood chips into categories of species, size, moisture content and contamination issues associated with selected wood such as logs, billets, off-cuts, waste timber, down grade timber, residue, chips or reject boards

**Equipment** may include:

- mechanical
- automated
- digitised
- computer assisted screening systems
- mechanised feed systems

and is to include:

- procedures for equipment lock-out, ie protecting operators and co-workers from accidental injury by isolating the machine from the power source

## RANGE STATEMENT

**Communication** may include:

- verbal and non-verbal language
- constructive feedback
- active listening
- questioning to clarify and confirm understanding
- use of positive, confident and cooperative language
- use of language and concepts appropriate to individual social and cultural differences
- control of tone of voice
- body language

**Pre start-up checks**

are conducted to ensure:

- equipment has been set-up correctly
- systems are performing accurately
- equipment is operating to optimum performance

**Feed systems** may include:

- conveyors, chutes or track systems moving processed wood chips from the chipping machines to the screening system

**Removal** may include:

- recycling oversized material
- re-using oversized material

**Disposing of** may include:

- recycling wood chips that do not conform to quality specifications and organisational requirements
- re-using wood chips that do not conform to quality specifications and organisational requirements

**Contamination** may include:

- bark
- charcoal
- rock and metal
- process of moving wood chips to the screening system and from the screening system to the transfer process

**Records and reports** may include:

- product type
- size
- inspection
- grading and labelling outcomes
- storage locations
- quality outcomes
- hazards
- incidents

**RANGE STATEMENT**

- equipment malfunctions

and may be:

- manual
- using a computer-based system or other appropriate organisational communication system

**Unit Sector(s)**

**Unit sector** No sector assigned

**Co-requisite units**

**Co-requisite units**

**Competency field**

**Competency field** Sawmilling and Processing