



Australian Government

Department of Education, Employment and Workplace Relations

FPISAW3224B Coordinate and monitor the wood chip stockpile

Release: 1

FPISAW3224B Coordinate and monitor the wood chip stockpile

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit describes the outcomes required to coordinate and monitor the movement and distribution of wood chips to, from and over the stockpile, including movement and loading

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 FPISAW3224A Coordinate and monitor the wood chip stockpile

Application of the Unit

Application of the unit

The unit involves coordinating and monitoring the wood chip stockpile 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. Plan stockpile operations	<p>1.1. Applicable <i>Occupational Health and Safety</i> (OHS), <i>environmental, legislative</i> and <i>organisational requirements</i> relevant to coordinating and monitoring the wood chip stockpile are identified and followed</p> <p>1.2. Variations in wood chip supply are assessed, recorded and reported</p> <p>1.3. <i>Stockpile</i> schedules are produced and applied in line with site procedures</p> <p>1.4. <i>Chip movement</i> procedures including order information are planned and scheduled</p> <p>1.5. Stockpile management is planned and prescribed</p> <p>1.6. <i>Communication</i> with others is established and maintained in line with OHS requirements</p>
2. Control stockpile	<p>2.1. Wood chip stockpile size growth is estimated from <i>production and shipping schedules</i></p> <p>2.2. Direction and extent for <i>spread or contraction</i> of stockpile is planned in line with site procedures and environmental requirements</p> <p>2.3. Chip spreading requirements are estimated considering the reach of the <i>chip slinging equipment</i></p> <p>2.4. Stockpile is inspected to identify hazards within vehicle operational area</p>
3. Coordinate wood chip movement and loading	<p>3.1. <i>Vehicles</i> and attachments are selected and allocated to spread chips and load <i>transport modes</i></p> <p>3.2. Personnel are advised of spreading, movement and loading operations</p> <p>3.3. Stockpile <i>levelling</i> is coordinated in line with site procedures and environmental requirements</p> <p>3.4. Wood chip retrieval from the stockpile edges is coordinated and directed to transport modes</p> <p>3.5. Stockpile coordination and equipment faults are investigated, <i>recorded and reported</i> in line with site requirements</p>

Required Skills and Knowledge

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 coordinate and monitor the wood chip stockpile
- 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 coordinating and monitoring the wood chip stockpile
- 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 coordinating and monitoring the wood chip stockpile
- Environmental risks and hazards
- Wood chip stockpile procedures and management
- Stockpile distribution and control
- Wood chip movement and loading procedures
- 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 coordinate and monitor the wood chip stockpile in line with 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 coordinating and monitoring the wood chip stockpile
- following organisational policies and procedures relevant to coordinating and monitoring the wood chip stockpile
- coordinating and monitoring the wood chip stockpile for the enterprise
- controlling stockpile operations and schedules for wood chip movement and loading within the enterprise
- coordinating personnel to follow planning, coordination, communications and scheduling for stockpile operations

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

EVIDENCE GUIDE

Method of assessment

- specifications and work instructions
- 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 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. **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

RANGE STATEMENT

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 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 isolating 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
- legal
- organisational and site guidelines
- policies and procedures relating to own role and responsibility
- quality assurance

Organisational requirements may include:

RANGE STATEMENT

- procedural manuals
- quality and continuous improvement processes and standards
- OHS, emergency and evacuation procedures
- 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)

Stockpile

is the result of wood chip production, ie a pile of wood chips available for downstream production or transportation to another location

Chip movement is to include:

- all forms of moving chips to and from the stockpile

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

Production and shipping schedules are to include:

information which reports:

- amount of production output for wood chips
- required quantities for shipping or transport

Spread or contraction is to include:

the increase and decrease in the stockpile caused by:

- adding production output
- removing chips to downstream production or transportation

Chip slinging equipment

manoeuvres chips to the stockpile and spreads it to the designated part of the stockpile from an overhead position

Vehicles may include:

- wheeled dozers or loaders

RANGE STATEMENT

- Transport modes** may include:
- tracked dozers or loaders
 - ships
 - trains
 - trucks

Levelling is the process of using dozers to spread wood chips to the outer edges of the stockpile to assure stockpile stability, compaction, access for chip retrieval and for continued slinging

- Records and reports** may include:
- coordinating and monitoring outcomes
 - material movement
 - despatch outcomes
 - storage locations
 - quality outcomes
 - hazards
 - incidents
 - 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