



Australian Government

FWPSAW2210 Prepare for timber treatment operations

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPISAW2210B Prepare for timber treatment operations, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format.

Application

This unit describes the outcomes required to assist with the treatment of timber by monitoring operational details including timber flow to the treatment processing area, water requirements and preservative solution strength.

The unit applies to those who treat timber in a forest products factory setting. Job roles can include timber grader as well as kiln, sawmill, production or treatment plant operator.

Copper Chrome Arsenate (CCA) chemical is a restricted chemical product, which means that CCA can only be supplied to and handled by suitably trained and authorised persons.

The Australian Pesticides and Veterinary Medicines Authority (APVMA) advised that as of 1 July 2012, CCA products can only be supplied to, and used by, suitably trained persons authorised under a relevant state or territory law from that date.

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states and territories at the time of publication, and may differ according to jurisdiction.

In Victoria, to comply with licence/permit requirements, organisations must ensure that employees working with CCA demonstrate competence in this unit (FWPSAW3201 Treat timber), or that persons working with CCA do so under the direct supervision (sight and sound) of a trained and authorised person.

For regulatory information and details in other states and territories refer to the state or territory licensing body.

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing

Elements and Performance Criteria

<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Set up for treating	1.1 Review work order and where required check with appropriate personnel. 1.2 Select appropriate personal protective equipment and check for operational effectiveness. 1.3 Obtain chemicals and type and quantity of timber for treatment from storage. 1.4 Complete pre start-up equipment checks to ensure operational effectiveness.
2. Assist with treatment process	2.1 Monitor and maintain timber supply to the treatment process area. 2.2 Identify water requirements and check to ensure treatment process requirements are met. 2.3 Test moisture content of timber in line with organisational procedures. 2.4 Check and maintain strength of preservative solution at specified strength and volume. 2.5 Keep treating area clear of dust and debris in line with organisational safety procedures. 2.6 Safely handle treated timber and transfer to storage area. 2.7 Store chemicals in line with organisational safety procedures and report on stock levels. 2.8 Record and report processes and equipment faults to appropriate personnel.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.	
Numeracy skills to:	- identify quantities of required timber within work orders and count numbers for treatment - calculate routine ratios for preservative solutions - complete basic measurements of moisture content in timber.
Oral communication	ask open and closed probe questions and actively listen to clarify contents of work orders.

skills to:	
Reading skills to:	• interpret: • workplace health and safety and other organisational procedures • work orders • safety data sheets, or equivalent plain English information for timber treatment chemicals.
Writing skills to:	• complete accurate basic records for chemical stock levels, processes and equipment faults.
Planning and organising skills to:	• efficiently check operational details at regular times during the production run using work order to guide activities.

Range of Conditions

Not Applicable

Unit Mapping Information

FPISAW2210B Prepare for timber treatment operations

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPSAW2210 Prepare for timber treatment operations

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1	Replaces equivalent unit FPISAW2210B Prepare for timber treatment operations, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including 'Required Skills and Knowledge, Evidence Guide and Range Statement'.

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:

- assist with the chemical timber treatment process in line with individual work orders for timber types, to be chosen from the following list:
 - native timber species
 - imported timber species
 - dressed timber
 - in-the-rough timber
 - stress and non-stress graded timber
 - sleepers
 - logs
 - rounded poles
 - beams
 - laminated beams
- across the above jobs, check and maintain the strength and volume of preservative solutions including:
 - water-borne solutions
 - oil-based solutions
 - solvent-based solutions
- at the completion of each of the above jobs, store chemicals and report on stock levels.
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Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- environmental protection practices for chemically treating timber:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of hazardous substances
- storage layout and categories for:
 - raw materials
 - storing finished boards
 - chemicals and preservative solutions
- properties, at a basic level of understanding, of chemicals used to treat timber and their purpose:
 - light organic solvent chemicals
 - preservative solutions:
- water-borne solutions
- oil-based solutions
- solvent-based solutions
- personal safety risks associated with handling and using chemicals and methods used to minimise these
- methods used to safely store chemicals
- typical work flow processes for chemically treating timber
- purpose, features and operation of equipment used to chemically treat timber including from the following list:
 - treaters
 - vats
 - ovens
 - resin tanks
 - effluent tanks
- organisational procedures specific to chemically treating timber including:
 - workplace health and safety with particular emphasis on equipment lock out, use of personal protective equipment and handling hazardous substances
 - communication reporting lines
 - recording and reporting chemical stock levels, processes and equipment faults.

Assessment Conditions

The following resources must be made available:

- equipment used to chemically treat timber:
 - treaters
 - vats

- ovens
- resin tanks
- effluent tanks
- personal protective equipment required for chemically treating timber
- one or more of the following types of timber to be chemically treated:
 - native timber species
 - imported timber species
 - dressed timber
 - in-the-rough timber
 - stress and non-stress graded timber
 - sleepers
 - logs
 - rounded poles
 - beams
 - laminated beams
- light organic solvent chemicals used to treat timber
- one or more of the following preservative solutions:
 - water-borne solutions
 - oil-based solutions
 - solvent-based solutions
- manufacturers 'safety data sheets, or equivalent plain English information, for chemicals and preservative solutions
- work order with specific instructions for chemical treatment of timber
- template documents for recording chemical stock levels, processes and equipment faults
- organisational procedures for chemically treating timber
- a suitably licensed person to monitor and supervise handling of CCA during assessment

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

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