



Australian Government

FWPCOT4222 Plan for and supervise timber treatment plant operations

Release: 1

FWPCOT4222 Plan for and supervise timber treatment plant operations

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 plan, supervise and optimise performance of timber treatment plant operations.

The unit applies to those individuals who supervise the chemical treatment of timber in a preservation facility.

State and territory regulations, standards and environmental protection licences apply in some jurisdictions to the timber preservation facilities and the use of chemicals used in timber treatment.

Copper chrome arsenate (CCA) is a restricted chemical product, regulated by the Australian Pesticides and Veterinary Medicines Authority (APVMA). This means CCA-treated timber can only be supplied to, and used by, suitably trained persons authorised under a relevant state or territory law.

In Victoria, to comply with licence/permit requirements, organisations must ensure that employees working with CCA demonstrate competence in FWPSAW3242 Treat timber (or the previous equivalent) or are under the direct supervision 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

Common Technical (COT)

Elements and Performance Criteria

Elements	Performance Criteria
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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan for implementing treatment plant operations	<p>1.1 Confirm workplace health and safety, environmental protection, containment, quality and operational practices and/or procedures for chemical treatment of timber</p> <p>1.2 Identify hazards, assess potential risks and confirm risk mitigation measures, including use of personal protective equipment, associated with timber treatment operations</p> <p>1.3 Confirm legislation, standards and codes of practice relevant to timber treatment plant operations</p> <p>1.4 Confirm type, components, operating parameters, capability and capacity of treatment plant</p> <p>1.5 Inspect raw materials, identify possible production and quality implications and communicate variations to production methods to team members</p> <p>1.6 Assess preservative type and formulation, treatment process, treatment suitability of wood and estimate solution absorption</p> <p>1.7 Apply timber treatment schedules according to workplace procedures and environmental protection practices and/or procedures</p> <p>1.8 Plan and prescribe waste minimisation and control measures</p> <p>1.9 Check serviceability of plant control and product testing equipment</p> <p>1.10 Establish and maintain communication with others according to workplace procedures and workplace health and safety requirements</p>
2. Supervise treatment plant operations	<p>2.1 Check and interpret charge sheets and reconciliation statements to ensure accuracy</p> <p>2.2 Check and analyse process trends for optimum performance</p> <p>2.3 Monitor treatment operations and output to record possible process improvements and to ensure maximum cost effectiveness</p> <p>2.4 Control non-conforming treated timber according to workplace procedures and environmental protection practices and/or procedures</p> <p>2.5 Investigate causes of solution imbalance and implement appropriate possible corrective actions</p> <p>2.6 Investigate, record and report treatment operations, operational problems and equipment faults according to workplace requirements</p> <p>2.7 Analyse treatment documents and reconciliations to identify potential productivity improvements</p>
3. Oversee treatment	3.1 Monitor implementation of routine and preventative maintenance

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
plant maintenance and inventory management requirements	and cleaning requirements 3.2 Maintain product and material inventory levels to meet production and contingency requirements
4. Modify operations to optimise performance	4.1 Initiate approved modifications to schedules to ensure optimum performance according to workplace procedures 4.2 Document and communicate treatment improvement modifications according to workplace procedures 4.3 Diagnose developments in treatment processes and related technology for possible implementation 4.4 Analyse and assess technical developments for potential incorporation into existing plant operations and procedures 4.5 Authorise, trial, document and introduce proposed developments into site operations 4.6 Dispose of timber from unsuccessful trials according to workplace procedures and environmental protection practices and/or procedures

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	<ul style="list-style-type: none"> Extract routine information from industry guides and standard references on timber treatment operations
Writing	<ul style="list-style-type: none"> Complete workplace reports legibly and accurately with correct details of timber treatment
Oral communication	<ul style="list-style-type: none"> Ask open and closed questions and use active listening techniques to clarify contents of work orders and to convey information
Numeracy	<ul style="list-style-type: none"> Interpret numerical data and trends relevant to timber treatment operations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT4222 Plan for and supervise timber treatment plant operations	FWPSAW4201 Plan and monitor timber treatment plant operations	Revised unit title Minor revisions to Application Added new Elements and Performance Criteria Revised Foundation Skills Revised Performance Evidence Added new Knowledge Evidence Revised Assessment Conditions	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>