



Australian Government

Assessment Requirements for FWPCOT4221 Plan for and supervise log yard operations

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

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 planned and supervised the operations of a log yard for two production cycles.

In performing this task, the individual has:

- communicated effectively and coordinated personnel to follow log yard planning, workplace procedures, including health and safety, environmental protection, quality and scheduling requirements
- complied with legislation, standards and codes of practice relevant to log yard operations
- monitored log yard operations against log yard schedule, targets, specifications and performance indicators and identified and rectified operational and equipment problems and faults
- monitored implementation of quality processes, including chain of custody requirements
- recorded and reported operations information, including output, quality, faults and safety data
- evaluated log yard operations and suggested one process improvement.

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:

- legislation, standards and codes of practice relevant to log yard operations
- hazards and associated risks with log yard operations, and risk control strategies identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- workplace procedures specific to planning and coordinating log yard operations, including:
 - health and safety, including use of personal protective equipment (PPE)

- environmental protection requirements and practices, including safe disposal of waste material
- quality assurance, including chain of custody requirements
- communication channels and protocols to communicate with team members
- recording and reporting information on output, quality, workplace health and safety and equipment faults
- types of log yards, including:
 - traditional mill log yards
 - concentration log yards
 - log reload yards
- purpose of log yards, including:
 - connect raw material supply to manufacturing processes
 - maintain log quality
- log yard layout
- log yard functions, including:
 - unloading/reloading
 - transport
 - debarking
 - grading
 - scaling
 - sorting
 - log storage
 - residue and waste management
- management of log stocks, including:
 - safely stacked and segregated
 - avoid degradation
 - identify out-of-specification logs
 - confirm log grades against quality requirements
 - maintain inventory levels
- role and responsibilities of log yard supervisor
- types, uses and operation of plant, machinery and equipment used in log yard operations
- log yard operational problems, including:
 - vehicle movement planning within log yard
 - empty trips
 - seasonality of raw material availability
 - log yard shape
 - in-flow management
 - poor surface material
- strategies to avoid log degradation, including:
 - plant and processing defects

- stock rotation
- stones
- barked
- debarked
- antistain treated
- methods for problem identification, including for equipment failures and bottlenecks in production process, and resolution strategies
- process improvement for log yard operations, including:
 - data
 - methods
 - participative approaches
 - communication.

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, log yard plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - log yard and associated equipment
 - computers, keyboards, printers and software used to prepare planning and production documents
 - PPE relevant to log yard operations
- specifications:
 - log yard production schedule
 - templates for documenting relevant information on the log yard production and operations
 - workplace procedures for log yard operations
 - workplace health and safety and environmental policies and/or procedures applicable to log yard operations
- relationships:
 - work team for communicating requirements related to log yard operations.

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

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>