



Australian Government

Assessment Requirements for FWPCOT3333 Conduct heat plant 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 prepared for, started up, monitored and shut down heat plant operations for a timber or wood products production facility for two production cycles with different specified energy generation requirements.

In performing this task, the individual has:

- followed workplace health and safety requirements
- conducted pre-operational checks on heat plant
- diagnosed and adjusted control settings during operation
- identified and rectified or reported heat plant operating faults
- handled and labelled heat plant chemicals correctly
- prepared heat plant for periodic inspection
- completed operational and maintenance reports.

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:

- environmental protection requirements and practices for heat plant operations, including:
 - cleaning plant, tools and equipment
 - disposing of hazardous substances
- characteristics and dangers of heat and energy generated by heat plants
- purpose, features and operation of energy generating heat plants
- energy generation capacity of workplace heat plants
- processes for heat plant start-up, shutdown, cleaning and storage
- range of data used to evaluate heat plant performance, including:
 - heat levels

- pressure levels
- energy generation levels
- heat build-up
- system overload information
- monitor fuel usage
- past performance records
- types, uses and labelling of heat plant chemicals, including safe handling and storage
- methods used to:
 - monitor operation and diagnose status of heat plant
 - remove valves and fittings
 - clean plant and plant room
- workplace procedures specific to operating heat plants, including:
 - health and safety, with particular emphasis on emergency shutdown, equipment lock-out and use of personal protective equipment
 - communication reporting lines
 - recording and reporting on operational and fuel efficiency data, equipment faults and maintenance requirements.

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, a timber manufacturing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - energy generating heat plant
 - heat plant chemicals and labels
 - valves and tools for replacing valves
 - personal protective equipment suitable for operating heat plants
- specifications:
 - workplace procedures for operation of energy generating heat plants
 - templates for documenting relevant information on heat plant operations
 - manufacturer safety data sheets for chemicals used in heat plant operations
 - workplace health and safety and environmental protection policies and/or procedures applicable to energy generating heat plants.

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>