



Australian Government

Assessment Requirements for FWPCOT4206 Plan and coordinate boiler operations

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPICOT4206B Plan and coordinate boiler 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:

- plan and coordinate boiler operations for different operational periods in line with production requirements for each period
- determine, document and communicate operational orders and boiler schedules for each of the above operational periods
- monitor and assess boiler performance and steam generation levels during each of the above operational periods and modify levels to ensure optimum performance
- complete records for operational outcomes for each of the above periods of operation
- complete a detailed report about systematic issues arising across the operational periods covering problems with processes, outputs and equipment including recommendations for process improvements.

Knowledge Evidence

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

- environmental protection practices for boiler operations:
 - cleaning plant, tools and equipment
 - disposing of hazardous substances

- energy generation capacity of organisational steam generating boilers and methods used to calculate steam and energy generation levels
- energy generation capacity of organisational steam generating boilers and methods used to calculate steam and energy generation levels
- processes for boiler startup, shutdown and storage
- methods of determining boiler schedules to meet production requirements
- range of data used to evaluate boiler performance:
 - steam levels
 - pressure levels
 - energy generation levels
 - heat build-up
 - system overload information
 - test outcomes for water quality and chemicals
 - past performance records
- methods used to:
 - diagnose problems with boiler operations
 - safely handle and store boiler house chemicals
 - inspect boilers after shutdown
- format, content and use of:
 - operational orders
 - boiler schedules
 - operating logs and operational records
 - fuel efficiency records
 - process improvement reports
- organisational procedures specific to planning and coordinating boiler operations:
 - communication reporting lines for operator team members and self
 - documenting operational orders, boiler schedules and reports
 - recording and reporting operational outcomes and equipment faults.

Assessment Conditions

The following resources must be made available:

- steam-generating boilers, including liquid or vapour restricted to water or steam
- fuel and fuel supply system
- boiler house chemicals and labels
- personal protective equipment suitable for operating steam boilers
- template:
 - operational orders
 - boiler schedules
 - operating logs and operational records
 - fuel efficiency records

- process improvement reports
- records for equipment faults
- details of production requirements
- organisational procedures for planning and coordinating boiler operations.

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.

Links

Companion Volume implementation guides are found in VETNet -

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