



Australian Government

Assessment Requirements for FWPCOT3231 Operate steam boiler

Release: 1

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Modification History

Release	Comment
	<p>Replaces equivalent unit FPICOT3231B Operate steam boiler, 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.</p> <p>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</p>

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:
- follow organisational policies and procedures relevant to operating a steam boiler
- start, operate, monitor and shut down a steam boiler in line with statutory requirements and standard operating procedures
- prepare boiler for annual inspection
- complete operating and maintenance logs

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
- characteristics and dangers of steam
- purpose, features and operation of :
 - steam-generating boilers, including liquid or vapour restricted to water or steam
 - fuel and fuel supply system
- processes for boiler startup, shutdown, cleaning and storage
- 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:
 - remove valves and fittings
 - clean boilers internally and externally
 - safely handle and store boiler house chemicals
- organisational procedures specific to operating steam boilers:
 - workplace health and safety with particular emphasis on equipment lock out and use of personal protective equipment
 - communication reporting lines
 - recording and reporting operating logs, fuel efficiency records, equipment faults and maintenance requirements.

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
- manufacturers' instructions for use and maintenance of equipment
- operational order with specific instructions for required steam generation levels and quantities and operating times
- template documents:
 - operating logs
 - fuel efficiency records
 - records of equipment faults and maintenance requirements
- organisational procedures for operating steam boilers.

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>