



Australian Government

Assessment Requirements for FBPSUG2020

Operate a coal fuel supply system

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 2.0.

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 operated a coal fuel supply system in line with workplace contexts and demonstrated each of the following points at least once:

- followed set-up and start-up procedures
- confirmed status of fuel supply system and related services
- operated, monitored and adjusted a coal fuel system and related auxiliary fuel system to supply a boiler
- cleared fuel blockages or chokes throughout the system
- carried out procedures for test firing burners
- carried out procedures to take fuel supply system off-line
- removed, inspected, cleaned and replaced oil burners
- followed shift handover procedure
- taken corrective action in response to abnormal or unacceptable performance.

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:

- principles of flame management systems, including understanding of when and how to purge boiler before relighting in a flame-out situation
- the amount of caustic addition for each tonne of coal burnt
- purpose and operation of auxiliary fuel supply
- functions and operating principles of fuel supply system, components and auxiliary equipment
- supply system layout
- the effect of fuel quality and supply on boiler operation
- relationship between fuel supply system and other processes

- fuel storage requirements
- fuel reclamation options and procedures as appropriate for the workplace and fuel type
- key health and safety requirements relevant to operating a coal fuel supply system:
 - hazards related to operation of fuel supply system and associated control measures
 - correct use of personal protective equipment (PPE)
 - methods used to render equipment safe to inspect, maintain and clean, including lock-out, tag-out and isolation procedures
 - procedures for responding to emergency situations, including emergency shutdown procedure
- handover and long-term shutdown and storage procedures for operating a coal fuel supply system
- procedures and responsibility for reporting problems
- environmental and waste handling requirements and procedures for operating a coal fuel supply system
- recording requirements and procedures relevant to operating a coal fuel supply system.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace or an environment that accurately reflects performance in a real workplace setting
- resources, equipment and materials:
 - PPE
 - coal fuel supply equipment
 - auxiliary fuel supply equipment
 - fuel and services as required
 - maintenance tools
 - workplace information recording system
- specifications:
 - operating procedures and related advice on equipment operation, including advice on safe work practices and environmental requirements
 - product and process specifications and operating parameters
 - workplace cleaning standards and procedures
 - workplace information recording procedures
 - sampling schedule and procedures.

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

Links

Companion Volume Implementation Guides are found in VETNet: -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=78b15323-cd38-483e-aad7-1159b570a5c4>