



Australian Government

Assessment Requirements for FBPSUG2011

Operate a mud filtration process

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 mud filtration process in line with workplace contexts and demonstrated each of the following points at least once:

- prepared materials for filtration requirements
- checked the availability of services
- conducted required pre-start checks on machinery used for filtration
- selected, fitted and used personal protective equipment (PPE)
- safely started, operated, monitored and adjusted the mud filtration process from the clarifiers to mud disposal
- correctly conducted shift changeover
- taken corrective action in response to typical faults, inconsistencies and product non-conformance
- correctly recorded process and production information
- safely shut down mud filtration process and related equipment and reported maintenance requirements.

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:

- the purpose and principles of mud filtration, including the role of materials added, and their effect on filter operation
- the effect of recycle streams, addition rates, variations in process parameters and mud age on the mud filtration process
- the circuit flow of the process, and the relationship to related processes, including mud output, filter speed, water addition and cake permeability
- equipment purpose and operating principles of mud filtration equipment, including vacuum pumps and condensers

- significance and method of monitoring control points within the process
- common causes of variation in the mud filtration process, and corrective action
- key health and safety requirements when operating a mud filtration process:
 - hazards and associated control measures
 - manual handling procedures
 - correct use of PPE
 - procedures for responding to emergency situations
 - lock-out and tag-out procedures
- requirements of operational and long-term shutdown conditions to ensure the equipment is left in a safe state for the period of the shutdown and to minimise any delays in future start-up
- environmental and waste handling requirements and procedures for the mud filtration process.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a sugar milling workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - PPE
 - filtration and related equipment, services and materials
 - workplace information recording system
- specifications:
 - operating procedures and related advice on equipment operation, including advice on safe work practices and environmental requirements
 - information on equipment capacity and operating parameters
 - production schedule/batch instructions.

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>