



Australian Government

Assessment Requirements for FBPGRA3029 Monitor a break roll

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FBP Food, Beverage and Pharmaceutical Training Package Version 6.0.

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 monitored a break roll on at least one occasion, including:

- applying safe work practices
- applying food safety procedures to work practices
- ensuring break releases have been carried out following the head miller's instructions
- reporting inconsistencies or variations.

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:

- purpose and basic principles of breaking grain, including how and why the endosperm separation takes place
- basic operating principles of equipment, including:
 - main equipment components, including any level control system, feed roll, feed gate, main rolls, roll adjustment, scrapers
 - status and purpose of guards
 - the purpose and location of sensors and related feedback instrumentation
 - high drive motor amperage
- services required, and action to take if services are not available
- good manufacturing practices (GMP) relevant to work task
- the flow of the break roll system and the basic effect of outputs on downstream processes
- basic equipment faults and related causes, including:
 - signs and symptoms of faulty equipment
 - early warning signs of potential problems
 - symptoms of chokes and blockages, and action required to clear
- methods used to monitor the break rolls, including:

- visually inspecting the inlet product for variation in granulation across the roller length, checking for presence of any unexpected stock or flour
- visually inspecting the outlet product for semolina production and bran clean-up without excessive damage to bran
- temperature check of roll stocks on back of hands
- break release procedure, correct sampling technique, weighing, sifting and calculating
- basic contamination/cross-contamination and food safety risks associated with the break rolls, and related control measures
- health and safety hazards and controls, including the limitations of protective clothing and equipment relevant to the work process
- requirements of different shutdowns as appropriate to the break roll and workplace production requirements, including:
 - production stop
 - routine mill shutdown
 - unexpected production stop
 - emergency shutdowns
 - procedures to follow in the event of a power outage
- isolation, lock-out and tag-out procedures and responsibilities
- procedures for reporting production and performance information
- basic operating principles of process control, where relevant, including the relationship between control panels and systems and the physical equipment
- environmental issues and controls, including waste and rework collection
- routine maintenance procedures for operating a break roll
- cleaning and sanitisation procedures for workspace and equipment
- procedures to track traceability of product
- procedures to ensure biosecurity requirements are met.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - a grain processing workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - conditioned grain suitable for the break roll system
 - personal protective equipment
 - milling and related equipment and services
- specifications:
 - production schedule
 - work procedures, including advice on safe work practices, food safety, quality and environmental requirements.

- relationships:
 - supervisor/head miller.

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=78b15323-cd38-483e-aad7-1159b570a5c4>