



Australian Government

Assessment Requirements for FBPGRA2001 Operate a liquid, mash or block stockfeed 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 1.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, on at least one occasion, the individual has:

- identified and interpreted production and customer requirements for mash, liquid or block stockfeed
- selected, fitted and used personal protective equipment
- conducted pre-start checks on machinery
- started, operated and monitored production equipment to ensure consistency and quality of output
- taken corrective action in response to typical faults and inconsistencies
- added and mixed ingredients, micronutrients and additives as required
- followed quality and contamination avoidance procedures
- completed workplace records as required
- applied safe work practices and identified work health and safety hazards and controls
- safely shut down equipment
- applied food safety procedures to work practices.

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 each part of the process, including:
 - volumetric metering, mixing, steam conditioning, pouring, pressing, cooling, adding and mixing in micronutrient and other additives to achieve specified proportions
 - sequencing of production to minimise transference and cross-contamination
 - traceability procedures
- basic operating principles of equipment, including:
 - main equipment components

- status and purpose of guards
- equipment operating capacities and applications
- the purpose and location of sensors and related feedback instrumentation
- services required and action to take if services are not available
- basic operating principles of process control, including the relationship between control panels and systems and the physical equipment
- the flow of the stockfeed production process and the effect of outputs on downstream processes
- quality characteristics and uses of finished stockfeed
- effect of variation in inputs and services on process performance
- operating requirements and parameters, and corrective action required where operation is outside specified operating parameters
- the effect on final product of variation in variables, including:
 - oil and fat content
 - micronutrient and additive
 - consistency and appearance of mash, liquid or block stockfeed
 - retention time and temperatures for steam conditioning, including consequences of temperatures that are too high and too low on chemical composition
 - retention time and temperature for liquid addition
- typical equipment faults and related causes, including:
 - signs and symptoms of faulty equipment
 - early warning signs of potential problems
- methods used to monitor the mash, liquid or block feed process, including inspecting, measuring and testing as required by the process
- inspection or test points (control points) in the process, and the related procedures and recording requirements
- common causes of variation and corrective action required
- contamination risks and related controls
- work 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 process and workplace requirements, including:
 - emergency and routine shutdowns
 - procedures to follow in the event of a power outage
 - routine maintenance procedures
- cleaning and sanitation procedures relevant for producing liquid, mash and block stock feed
- isolation, lock out and tag out procedures and responsibilities
- procedures and responsibility for reporting production and performance information
- environmental issues and controls relevant to the process, including waste/rework collection and handling procedures related to the process.

Assessment Conditions

Assessment of skills 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:
 - personal protective equipment
 - stockfeed inputs and additives
- specifications:
 - workplace procedures, including safe work practices, food safety, quality, and environmental requirements
 - stockfeed orders.

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>