



Australian Government

FBPSUG2021 Operate an ash separation system

Release: 1

FBPSUG2021 Operate an ash separation system

Modification History

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

Application

This unit of competency describes the skills and knowledge required to operate a system to separate ash solids from boiler sluice water by use of clarifiers and filters.

The unit applies to individuals who work under supervision in the sugar milling industry.

All work must be carried out to comply with workplace procedures according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

No occupational licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Sugar milling (SUG)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare the ash separation system for operation	1.1 Confirm materials are available to meet requirements 1.2 Confirm services are available and ready for operation 1.3 Select, fit and use personal protective equipment according to workplace safety procedures 1.4 Check equipment in readiness for use according to operating procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Set the ash separation process to meet production requirements 1.6 Identify and report health and safety hazards and maintenance requirements
2. Operate the ash separation process	2.1 Start and operate the ash separation system according to operating procedures 2.2 Confirm process performance is maintained within manufacturer's specifications to meet workplace requirements 2.3 Ensure the work area meets workplace cleaning standards
3. Analyse and respond to abnormal performance	3.1 Monitor ash separation system operating conditions 3.2 Take corrective action to rectify causes of abnormal performance 3.3 Implement emergency procedures according to workplace safety procedures
4. Hand over ash separation operations	4.1 Maintain operating log according to workplace procedures 4.2 Carry out handover according to workplace procedures 4.3 Ensure system operators are aware of system and related equipment status at completion of handover
5. Complete ash separation operations	5.1 Collect and dispose of ash according to workplace, environmental and waste handling requirements and procedures 5.2 Identify and report operational maintenance requirements according to workplace procedures 5.3 Record workplace information according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret workplace information relevant to job role
Numeracy	Monitor and interpret production and process control indicators and data

Skill	Description
	- Estimate storage capacities of ash holding areas - Calculate correct quantities of chemicals, including caustic soda and flocculants for use in system
Navigate the world of work	Apply workplace procedures to own role and responsibilities
Interact with others	Use modes of communication suitable to purpose to confirm and clarify understanding
Get the work done	- Access and interpret ash separation system process control panels and system - Make routine decisions to correct abnormal plant performance of ash separation system

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FBPSUG2021 Operate an ash separation system	FDFSUG221A Operate an ash separation system	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume Implementation Guides are found in VETNet: -

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