PPMSPR320 Prepare and start up stock preparation system for production

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Modification History

Release	Comments
Release 2	This version released with PPM Pulp and Paper Manufacturing Training Package Version 2.0.
Release 1	This version released with PPM Pulp and Paper Manufacturing Training Package Version 1.0.

Application

This unit of competency describes the skills and knowledge required to conduct pre-operational checks, bring stock preparation system operations online and stabilise system operations after startup.

The unit applies to production operators and technicians who work in a pulp or paper manufacturing facility in the stock preparation area. This typically involves working in a facility with complex integrated equipment and continuous operations.

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

Pre-requisite Unit

Nil

Unit Sector

Stock preparations operations (SPR)

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Determine production requirements	1.1 Identify production requirements to plan system operations and startup processes

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Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
	1.2 Determine grade type and flow rate for production and communicate to system operators
	1.3 Determine availability and coordinate process supplies to meet production requirements
	1.4 Confirm readiness of downstream facilities to receive product and by-products
	1.5 Select, fit, use and maintain personal protective equipment according to job requirements and task to be undertaken
2. Inspect and prepare systems for startup	2.1 Conduct system inspections and pre-startup safety checks in line with workplace health and safety and standard operating procedures (SOP)
	2.2 Remove isolations and establish and confirm operational settings to required specification
	2.3 Check monitoring devices and alarm systems and confirm as operational
	2.4 Detect deviations from operational specifications and rectify or report
	2.5 Stage raw materials supplies ready for use
3. Start up stock preparation operations	3.1 Activate and confirm stock preparation systems as operational
	3.2 Coordinate stock, chemical and water system startups for production
	3.3 Confirm production ready status to relevant personnel
4. Stabilise system operations	4.1 Monitor operational parameters after startup to ensure stock system operations are within specification
	4.2 Sample and test stock to verify product meets quality specifications
	4.3 Adjust system operational parameters to rectify variations from specifications
	4.4 Record system startup, operational and product quality data in operating log

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 health and safety and SOP
Writing	• Complete accurate basic records for system startup processes and quality checks
Numeracy	• Interpret basic numerical settings on instruments, gauges and data recording equipment • Monitor, assess and interpret system startup data • Record basic numerical data for system startup and operational performance
Interact with others	• Provide clear unambiguous information about production specifications and production ready status to system operators and other personnel
Get the work done	• Use and assess sensory information (sight, sound, touch, smell, vibration, temperature) to adjust system operational parameters

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMSPR320 Prepare and start up stock preparation system for production Release 2	PPMSPR320 Prepare and start up stock preparation systems for production Release 1	Performance criteria added, minor changes to knowledge evidence	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=12998f8d-d0ac-40bc-a69e-72a600d4fd93