



Australian Government

PPMSPR210 Monitor and control stock preparation systems

Release: 2

PPMSPR210 Monitor and control stock preparation systems

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 monitor and maintain stock preparation systems, ensure stock quality, complete product grade changes and record and report production data.

The unit applies to production support operators 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
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Monitor and maintain process	1.1 Check production requirements at start of shift and plan to conduct daily work activities in line with workplace health and safety and standard operating procedures (SOP) including the use of appropriate personal protective equipment 1.2 Confirm operational status by inspection, observation and other

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	information 1.3 Maintain process supplies to meet production requirements 1.4 Monitor process to ensure stock preparation system operations are within specification 1.5 Identify, rectify or report routine variations from specification 1.6 Monitor and maintain process levels to maintain productivity requirements 1.7 Monitor and adjust stock systems during stock-off situations 1.8 Complete routine preventative maintenance in line with maintenance schedules
2. Control quality of stock, chemicals and water	2.1 Monitor and maintain quality of stock, chemicals and water to specification 2.2 Conduct routine visual observations and assessments on stock and system operations 2.3 Sample and test stock quality and interpret and record results 2.4 Adjust system operation to rectify out-of-specification product and maintain productivity requirements
3. Complete product grade change	3.1 Plan and determine grade change requirements and obtain stock and chemicals 3.2. Shut down stock preparation systems according to organisational procedures 3.3 Complete flushing, draining and cleaning of stock, chemicals and water systems 3.4 Implement process setups or adjustments to meet new grade requirements 3.5 Stage raw materials and supplies required for new grade requirements as ready for use 3.6 Coordinate and implement stock, chemical and water system start-ups to meet new grade requirements 3.7 Coordinate and implement grade change on the run
4. Record and report product and process data	4.1 Interpret production data and enter into recording system 4.2 Communicate problems or variations with process, product or equipment to relevant personnel

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 - Interpret maintenance schedules
Writing	Complete accurate basic records for system operation and production outcomes
Numeracy	- Interpret basic numerical settings on instruments, gauges and data recording equipment - Monitor, assess and interpret system and production data - Record basic numerical data for test results and production outcomes
Interact with others	Provide clear basic information about problems or variations with process, products and equipment
Get the work done	Use and assess sensory information (sight, sound, touch, smell, vibration, temperature) to adjust process to maximise safety, quality and productivity

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMSPR210 Monitor and control stock preparation systems Release 2	PPMSPR210 Monitor and control stock preparation systems Release 1	Minor changes to performance criteria and knowledge evidence	Equivalent unit

Links

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

Assessment Requirements for PPMSPR210 Monitor and control stock preparation systems

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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 and controlled stock control preparation systems, at least twice in line with required enterprise intervals
- completed routine maintenance on equipment
- completed product grade changes
- completed records for system operation, production outcomes and equipment faults.

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:

- organisational procedures relevant to workplace health and safety with particular emphasis on:
 - use of personal protective equipment (PPE)
 - equipment lock out and isolation procedures
 - handling chemicals and hazardous substances, including spill and disposal guidelines
 - plant clearance requirements
 - emergency procedures and responses
 - job safety analysis documentation and processes
 - plant permit systems and processes
 - high risk load shifting licensing requirements where relevant
 - major hazard facility licensing requirements where relevant
- system layout for stock preparation systems

- purpose, features and operation of stock preparation system plant, operating parameters and allowable variations
- operation and application of electronic and other control systems
- processes required to coordinate grade changes for stock preparation systems
- purpose of, and processes for sampling and testing product quality, plant and system operations
- quality requirements for different types of stock
- methods used to monitor stock preparation system operations against specified system parameters
- effect of process adjustments on product quality and productivity during monitoring and operation
- grades for different types of stock and applicable terminology
- types of raw materials used to produce stock and how they influence paper properties
- organisational procedures:
 - standard operating procedures specific to controlling stock preparation systems
 - communication reporting lines
 - recording and reporting system operation, production outcomes and equipment faults.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace or a productive environment that accurately reflects performance in a workplace
- resources, equipment and materials:
 - access to the full range of equipment required to monitor stock preparation systems in a pulp or paper manufacturing facility
 - testing equipment for stock
 - maintenance tools and equipment and consumables for stock preparation plant
 - PPE suitable for operating stock preparation systems
- specifications:
 - organisational workplace health and safety and standards for stock preparation systems in a pulp or paper mill
 - maintenance schedules for stock preparation systems
 - template documents for recording system operation and production outcomes.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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