



Australian Government

PPMSPR201 Monitor and control stock preparation systems

Release: 1

PPMSPR201 Monitor and control stock preparation systems

Modification History

Release	Comments
Release 1	This version released with PPM Pulp and Paper Manufacturing Training Package Version 3.0.

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 assist in the stock preparation operations of a pulp and/or paper manufacturing facility, undertaking routine work in monitoring, identifying and solving predictable problems that occur with 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 Preparation 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. Prepare to monitor stock preparation operations	1.1 Check production requirements at start of shift and plan work activities according to workplace health and safety and standard operating procedures 1.2 Identify health and safety hazards and report safety concerns 1.3 Select and fit personal protective equipment according to safety requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Check tools and equipment are operational, and supplies are available
2. Monitor and maintain process	2.1 Confirm operational status by inspection, observation and other information 2.2 Maintain process supplies to meet production requirements 2.3 Monitor process to ensure stock preparation system operations are within specification 2.4 Identify, rectify or report routine variations from specification 2.5 Monitor and maintain process levels to maintain productivity requirements 2.6 Monitor and adjust stock systems during stock-off situations 2.7 Complete routine preventative maintenance according to maintenance schedules
3. Control quality of stock, chemicals and water	3.1 Monitor and maintain quality of stock, chemicals and water to specification 3.2 Conduct routine visual observations and assessments on stock and system operations 3.3 Sample and test stock quality, and interpret and record results 3.4 Adjust system operation to rectify out-of-specification product and maintain productivity requirements
4. Complete product grade change	4.1 Identify grade change requirements and obtain required stock and chemicals 4.2 Shut down stock preparation systems according to operating procedures 4.3 Complete flushing, draining and cleaning of stock, chemicals and water systems according to operating procedures 4.4 Implement process setups or adjustments to meet new grade requirements 4.5 Prepare required raw materials and supplies for new grade requirements 4.6 Implement stock, chemical and water system start-ups to meet new grade requirements 4.7 Implement grade change on the run according to production specifications

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
5. Record and report product and process data	5.1 Interpret production data and enter into recording system 5.2 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 information in workplace procedures and maintenance schedules
Writing	Complete accurate basic records in the required format
Oral communication	Provide information about problems or variations with process, products and equipment using clear language and industry terminology
Numeracy	- Interpret basic numerical settings on instruments, gauges and data recording equipment - Record basic numerical data for test results and production outcomes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMSPR201 Monitor and control stock preparation systems	PPMSPR210 Monitor and control stock preparation systems	Element added Changes to performance criteria, foundation skills, performance evidence and knowledge evidence Assessment conditions updated	Not equivalent

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 PPMSPR201 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 undertaken routine monitoring and control of stock preparation systems for at least two operational intervals, including for each interval:

- completed checks throughout the process and responded appropriately to variations from process and specifications
- completed routine maintenance on equipment
- completed a product grade change
- completed accurate 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:

- workplace health and safety requirements and procedures for stock preparation systems
- workplace environmental sustainability requirements and practices for stock preparation operations, including workplace biotechnological applications and processes
- purpose, features and operation of stock preparation system plant, operating parameters and allowable variations
- processes required to complete 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
- types of raw materials used to produce stock
- standard operating procedures specific to controlling stock preparation systems

- procedures for communicating, recording and reporting system operation, production outcomes and equipment faults.

Assessment Conditions

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

- physical conditions:
 - skills must be demonstrated in a pulp and/or paper manufacturing facility or an environment that accurately reflects performance in a workplace
- resources, equipment and materials:
 - stock preparation system
 - maintenance tools and equipment and consumables for stock preparation plant
 - test and diagnostic equipment
 - personal protective equipment for operating stock preparation systems
 - proforma or recording system for recording system operation and production outcomes
- specifications:
 - workplace and standard operating procedures relating to stock preparation systems, including health and safety, risks and hazards identification, plant isolation, quality, housekeeping and environmental requirements
 - maintenance schedules for stock preparation systems.

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

Links

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