

Modification history

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

PPMSPR2XX	Monitor and control stock preparation systems
Application	<p>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.</p> <p>The unit applies to production support operators who, under supervision, assist in the stock preparation operations of a pulp or paper manufacturing facility, undertaking routine work in monitoring, identifying and solving predictable problems that occur with integrated equipment and continuous operations.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Stock preparations operations (SPR)

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 work 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 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

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
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
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	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Interpret information in workplace procedures and maintenance schedules
Writing	<ul style="list-style-type: none"> Complete accurate basic records in the required format
Oral communication	<ul style="list-style-type: none"> Provide information about problems or variations with process, products and equipment using clear language and industry terminology
Numeracy	<ul style="list-style-type: none"> 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
PPMSPR2XX Monitor and control stock preparation systems	PPMSPR210 Monitor and control stock preparation systems Release 2	Element added. Changes to performance criteria, foundation skills, performance and knowledge evidence. Assessment conditions updated.	Equivalent

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=12998f8d-d0ac-40bc-a69e-72a600d4fd93
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TITLE	Assessment requirements for PPMSPR2XX Monitor and control stock preparation systems
Performance Evidence	
<p>An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.</p> <p>There must be evidence that the individual has monitored and controlled stock preparation systems for at least two operational intervals, including for each interval:</p> <ul style="list-style-type: none"> • 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	
<p>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:</p> <ul style="list-style-type: none"> • workplace procedures relevant to work health and safety, including: <ul style="list-style-type: none"> • use of personal protective equipment • 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 • permits and licensing requirements for facility hazards and high risk plant and equipment relevant to stock preparation systems • workplace environmental sustainability requirements for practices for stock preparation operations, including biotechnological applications and processes used for stock preparation operations • 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 to control stock preparation 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 • standard operating procedures specific to controlling stock preparation systems • procedures for communicating, recording and reporting system operation, production outcomes and equipment faults. 	

Assessment Conditions	
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions: <ul style="list-style-type: none"> • skills must be demonstrated in a pulp or paper manufacturing facility or an environment that accurately reflects performance in a workplace • resources, equipment and materials: <ul style="list-style-type: none"> • 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: 	

Assessment Conditions

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| <ul style="list-style-type: none">• 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. |
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<p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>

Links

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

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