



Australian Government

PPMWAS301 Operate water systems

Release: 1

PPMWAS301 Operate water 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 prepare for, start up, monitor and shut down water systems used for pulp and/or paper manufacturing operations.

The unit applies to production operators who operate water systems in a pulp and/or paper manufacturing facility and respond to contingencies that occur when working 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

Water Service (WAS)

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 operate water systems	1.1 Identify production requirements to plan system operations and processes 1.2 Identify workplace health and safety hazards, assess risks and determine control measures 1.3 Identify process control points according to production specifications 1.4 Confirm availability of materials and supplies for water system

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 Select, fit and use personal protective equipment according to job requirements and task to be undertaken 1.6 Communicate production requirements and specifications, workplace health and safety and environmental requirements and operating procedures to relevant personnel 1.7 Select, fit, use and maintain personal protective equipment according to job requirements and task to be undertaken 1.8 Communicate production requirements and specifications, workplace health and safety and environmental requirements and operating procedures to relevant personnel
2. Inspect and start up water systems	2.1 Inspect and conduct pre-occupational safety checks on water systems 2.2 Remove isolations according to operating procedures 2.3 Start up water system according to workplace health and safety and operating processes 2.4 Observe the water system to confirm start-up operational response 2.5 Detect start-up variation conditions and rectify common faults or refer complex faults to specialist technician
3. Monitor and control water systems	3.1 Confirm system functions through routine checks 3.2 Take water samples and test to maintain quality according to operational parameters 3.3 Identify variations from operational parameters 3.4 Restore water system to standard operational parameters 3.5 Conduct operator-level maintenance according to operating procedures
4. Conduct water system shutdown	4.1 Coordinate and communicate planned shutdown of water system to relevant personnel 4.2 Manage system shutdown according to productivity, workplace health and safety and environmental requirements and operating procedures 4.3 Implement isolation requirements according to operating and housekeeping procedures
5. Respond to unplanned shutdown	5.1 Respond to unplanned faults and stoppages according to operating, emergency and workplace health and safety 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>
	5.2 Complete shutdown and isolation according to operating procedures 5.3 Locate and rectify cause of unplanned shutdown within area of responsibility 5.4 Communicate shutdown information to relevant personnel
6. Record and report water systems information	6.1 Record water systems information according to workplace requirements 6.2 Report problems and related action 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 from workplace procedures and documentation
Writing	Complete records accurately and legibly using clear language and industry terminology
Oral communication	Provide information about start-up and shutdown operations, problems or variations with production, quality and system using clear language and industry terminology
Numeracy	- Interpret numerical settings on instruments, gauges and data recording equipment - Record numerical data for system and operational performance

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMWAS301 Operate water	PPMWAS210 Operate water	Changes to elements, performance criteria, foundation skills,	Not equivalent

Code and title current version	Code and title previous version	Comments	Equivalence status
systems	systems	performance evidence and knowledge evidence Assessment conditions updated	

Links

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