



**Australian Government**

# **PPMWAS210 Operate water systems**

**Release: 2**

## PPMWAS210 Operate water 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 check, monitor, operate and shut down water systems, in a pulp or paper manufacturing facility.

The unit applies to production operators and technicians who start up, monitor and operate water systems. This typically involves working in a facility with complex integrated equipment and continuous operations.

No licensing, legislative, regulatory, 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. Conduct local inspections and pre-operational safety checks	1.1 Check plant and equipment according to productivity requirements, environmental sustainability procedures, workplace health and safety and standard operating procedures (SOP), risks and hazards identification and housekeeping requirements

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.2 Remove isolations 1.3 Confirm availability of materials and supplies for water system 1.4 Determine plant status and requirements 1.5 Confirm sequencing for plant startup 1.6 Select, fit, use and maintain personal protective equipment according to job requirements and task to be undertaken
2. Start up water systems	2.1 Start up water system according to SOPs 2.2 Observe the water system for correct start up operational response 2.3 Detect startup variation conditions and take corrective action
3. Monitor and control water systems	3.1 Monitor the operation of the water system through routine checks 3.2 Take water samples and test to maintain quality according to organisational procedures 3.3 Identify variations from operational parameters 3.4 Restore water system to standard operational parameters 3.5 Conduct operator level maintenance, according to organisational procedures
4. Conduct a water system shutdown	4.1 Confirm shutdown plan and communicate to relevant personnel 4.2 Implement shutdown procedures 4.3 Leave plant in a safe condition for isolation, as required
5. Respond to an unplanned shutdown	5.1 Identify the cause of shutdown and action according to organisational procedures 5.2 Complete sequence for shutdown of systems, in the plant 5.3 Communicate action taken to relevant personnel 5.4 Leave plant in a safe condition for isolation
6. Record and report water systems information	6.1 Record water systems information 6.2 Record problems and related action and communicate 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	<ul style="list-style-type: none"> <li>Read and interpret documentation, procedures and reports</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Record log sheet entries, incident reports and system faults</li> <li></li> </ul>
Numeracy	<ul style="list-style-type: none"> <li>Interpret instruments, gauges and data recording equipment</li> </ul>
Navigate the world of work	<ul style="list-style-type: none"> <li>Use electronic and other control systems to control equipment and processes</li> <li>Access, navigate and enter computer based information for operation of water systems</li> </ul>
Interact with others	<ul style="list-style-type: none"> <li>Select and use appropriate spoken communication strategies with work teams and other personnel on site, when operating water systems</li> </ul>
Get the work done	<ul style="list-style-type: none"> <li>Maintain situational awareness in the work area</li> <li>Analyse and use sensory information to adjust process to maintain and coordinate safety, quality and productivity</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMWAS210 Operate water systems Release 2	PPMWAS210 Operate water systems 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>