



Australian Government

PPMWAS340 Troubleshoot and rectify water systems

Release: 2

PPMWAS340 Troubleshoot and rectify 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 identify, diagnose, rectify and report faults in water systems, in the pulp and paper industry.

The unit applies to senior operators and production specialists who manage troubleshoot and rectify water systems, in a pulp or paper manufacturing facility. 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

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. Identify and analyse causes of faults	1.1 Check work plan and carry out according to productivity requirements, environmental sustainability procedures, workplace health and safety and standard operating procedures, risks and hazards identification, and housekeeping 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>
	1.2 Check availability of materials and supplies 1.3 Use alarms and visual checks on water systems to determine fault type. 1.4 Interpret sampling and testing results to identify deviations from specifications 1.5 Use an appropriate analysis to identify and locate cause and source of problem 1.6 Access relevant sources of information to assist analysis 1.7 Select, fit, use and maintain personal protective equipment according to job requirements and task to be undertaken
2. Rectify plant and equipment faults	2.1 Shutdown equipment and implement isolation procedures, prior to fault rectification 2.2 Identify, repair or replace faulty equipment 2.3 Adjust process and carry out operator level maintenance 2.4 Return plant and equipment to normal operations 2.5 Verify restoration to normal operations and communicate to relevant personnel
3. Rectify water quality faults	3.1 Identify quality faults or variations by observation, systematic sampling and testing 3.2 Take samples for tests to detect quality faults 3.3 Interpret test results and make operational adjustments, according to organisational procedures 3.4 Rectify faults or recommend further action 3.5 Action out-of-specification water
4. Record and report operational data	4.1 Document variations from specifications and performance variations, according to organisational procedures 4.2 Record causes of deviation and corrective action undertaken 4.3 Communicate relevant information to appropriate 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"> Read and interpret documentation, procedure manuals and test results relevant to water systems
Writing	<ul style="list-style-type: none"> Record accurately and legibly, fault rectifications, using correct technical vocabulary Access, navigate and enter computer based information
Oral communication	<ul style="list-style-type: none"> Use appropriate spoken communication strategies with work colleagues and other personnel, on site to assist with analysis and resolution of operational problems and to manage troubleshooting and maintenance
Numeracy	<ul style="list-style-type: none"> Interpret instruments, gauges and data recording equipment
Navigate the word of work	<ul style="list-style-type: none"> Use electronic and other control systems to control equipment and processes
Get the work done	<ul style="list-style-type: none"> Maintain situational awareness in the work area Analyse and use sensory information to adjust process to maintain and coordinate safety, quality and output

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMWAS340 Troubleshoot and rectify water systems Release 2	PPMWAS340 Troubleshoot and rectify 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>