



Australian Government

PPMWAS401 Troubleshoot and rectify water systems

Release: 1

PPMWAS401 Troubleshoot and rectify 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 identify, diagnose, rectify and report on system and water quality faults in water systems used in the pulp and/or paper manufacturing industry.

The unit applies to senior operators and production specialists who work in the pulp and paper manufacturing industry and troubleshoot and rectify complex water systems used in 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 system and quality faults	1.1 Prepare for rectification of water system according to operational requirements and workplace health and safety and environmental procedures 1.2 Identify safety hazards and determine risk control measures with relevant personnel 1.3 Conduct visual checks on water systems and interpret warning devices to determine fault type

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 Conduct systemic sampling and testing to identify quality faults and deviations from specifications 1.5 Access and interpret relevant sources of information, and check for recent work undertaken to assist analysis 1.6 Analyse collected information to locate cause and source of problem 1.7 Report fault and proposed corrective actions to relevant personnel
2. Rectify plant and equipment faults	2.1 Shut down and isolate system according to operating procedures 2.2 Identify and repair or replace faulty equipment as required 2.3 Adjust process and carry out operator-level maintenance 2.4 Return plant and equipment to normal operations 2.5 Verify and communicate restoration to normal operations to relevant personnel
3. Rectify water quality faults	3.1 Conduct further testing and interpret results to determine required operational adjustments 3.2 Rectify faults or recommend further action according to operating procedures 3.3 Take action to remedy out-of-specification water
4. Record and report troubleshooting and rectification activities	4.1 Document variations from specifications and performance variations according to workplace requirements 4.2 Record and report diagnostic and corrective action processes 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 a range of documentation and test results

Skill	Description
Writing	Complete accurate detailed records and reports for system and product faults, diagnostic and corrective action processes using the required format
Oral communication	- Provide comprehensive information about problems with equipment and products using clear language and industry terminology - Provide clear, unambiguous information about return to normal operations to system operators and other personnel
Numeracy	- Interpret numerical settings on instruments, gauges and data recording equipment - Interpret system and product data - Record detailed numerical data for system and product test results - Use measuring equipment to measure and inform calculations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMWAS401 Troubleshoot and rectify water systems	PPMWAS340 Troubleshoot and rectify water systems	Changes to elements, 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>