



Australian Government

PPMWEO401 Troubleshoot and rectify wet end systems

Release: 1

PPMWEO401 Troubleshoot and rectify wet end 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 analyse, rectify and report on system, equipment and quality faults in the wet end operations of a paper manufacturing facility.

The unit applies to senior operators and production specialists who work in the pulp and paper manufacturing industry and troubleshoot and rectify complex faults that occur in continuous wet end operations.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Wet End Operations (WEO)

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 wet end system according to productivity requirements and workplace health and safety and environmental procedures 1.2 Identify safety hazards and determine risk control measures with relevant personnel 1.3 Interpret alarm mechanism and make observations on plant and processes to determine fault type and location

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 and interpret results to detect quality faults and variations from operating parameters 1.5 Access and interpret relevant sources of information and check for recent work undertaken on plant to assist analysis 1.6 Analyse causes and sources of process problems or equipment faults and impact on productivity requirements 1.7 Report fault and proposed corrective actions to relevant personnel
2. Rectify systems and equipment faults	2.1 Shut down and isolate equipment according to operating procedures 2.2 By-pass faulty equipment where the process allows 2.3 Repair or replace faulty equipment according to equipment specifications 2.4 Make corrective adjustments to equipment according to equipment specifications 2.5 Undertake operator-level maintenance as required 2.6 Verify restoration to normal operation and communicate to relevant personnel
3. Rectify product quality faults	3.1 Conduct further testing and interpret results to determine required operational adjustments 3.2 Rectify faults and causes according to operating procedures 3.3 Manage out-of-specification product
4. Record and report troubleshooting and rectification activities	4.1 Document variations from process and product specifications 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
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Skill	Description
Reading	Interpret information from a range of documentation
Writing	- 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
Oral communication	- Interpret basic 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 undertake calculations
Numeracy	- Interpret basic 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 undertake calculations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMWEO401 Troubleshoot and rectify wet end systems	PPMWEO440 Troubleshoot and rectify wet end 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>