



Australian Government

PPMPUL401 Troubleshoot and rectify pulping processes

Release: 1

PPMPUL401 Troubleshoot and rectify pulping processes

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 troubleshoot, rectify and report on process, equipment and quality faults in the pulping processes of a pulp and/or paper manufacturing facility.

The unit applies to operators, technicians and senior technicians who work in pulp and paper manufacturing and who troubleshoot and rectify plant and quality faults that occur in continuous pulping operations.

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

Pre-requisite Unit

Nil

Unit Sector

Pulping Operations (PUL)

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 plant and quality faults	1.1 Prepare for rectification of pulping processes 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 systems and make physical inspections on processes, plant and equipment to determine faults 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>
	<p>1.4 Conduct systemic sampling and testing and interpret results to identify variations from specifications or schedule</p> <p>1.5 Access and analyse relevant data and check for recent work undertaken to assist analysis</p> <p>1.6 Analyse collected information to identify and locate cause and source of problem</p> <p>1.7 Report fault and proposed corrective actions to relevant personnel</p>
2. Rectify plant faults	<p>2.1 Conduct operator level on-line adjustments</p> <p>2.2 Shut down and isolate plant according to workplace health and safety and operating procedures</p> <p>2.3 Isolate, by-pass, repair or replace faulty plant according to manufacturer specifications</p> <p>2.4 Return plant to normal operations</p> <p>2.5 Verify and communicate operations restoration to relevant personnel</p>
3. Rectify product quality faults	<p>3.1 Conduct further testing and interpret results to determine required operational adjustments</p> <p>3.2 Rectify faults and causes or recommend further action according to operating procedures</p> <p>3.3 Manage out-of-specification product</p>
4. Record and report troubleshooting and rectification activities	<p>4.1 Document process performance and product faults according to workplace requirements</p> <p>4.2 Record and report diagnostic and corrective action processes to relevant personnel</p>

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

Skill	Description
Reading	<ul style="list-style-type: none"> Interpret information from a range of documentation
Writing	<ul style="list-style-type: none"> Complete accurate detailed records and reports for system and product faults, diagnostic and corrective action processes using the required format
Oral communication	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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
PPMPUL401 Troubleshoot and rectify pulping processes	PPMPUL440 Troubleshoot and rectify pulping processes	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>