



Australian Government

PPMPUL440 Troubleshoot and rectify pulping processes

Release: 2

PPMPUL440 Troubleshoot and rectify pulping processes

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 troubleshoot, rectify and report on pulping processes in the pulp and paper industry.

The unit applies to operators, technicians and senior technicians who troubleshoot and rectify pulping processes, in a pulp or paper manufacturing facility. 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

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 faults	1.1 Identify faults in pulping processes according to productivity requirements, relevant workplace health and safety procedures, risks and hazards identification and environmental workplace procedures 1.2 Interpret alarm systems and observations to determine faults and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	location 1.3 Identify faults through routine physical inspections of plant, processes and equipment 1.4 Interpret sampling and results to identify variations from specifications or schedule 1.5 Use appropriate techniques to identify and locate cause and source of the problem 1.6 Access and analyse relevant data, as required 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 faults	2.1 Conduct operator level on-line adjustments 2.2 Implement isolation procedures and plant shut down prior to fault rectification according to work health and safety and standard operating procedures 2.3. Isolate, by-pass, repair or replace faulty plant, according to manufacturer's recommendations 2.4. Return plant to normal operation 2.5 Communicate verification to relevant personnel
3. Rectify product quality faults	3.1. Identify by observation, systematic sampling and testing, product quality faults or variations 3.2. Interpret test results and adjust operations to correct faults 3.3. Rectify faults and causes or make recommendations for further action 3.4. Manage out-of-specification product
4. Record and report process performance and product quality data	4.1 Identify recording and reporting workplace requirements for process performance and product quality data 4.2 Document variations from product specification 4.3 Record process variation and faults 4.4 Record actions undertaken to troubleshoot and rectify faults 4.5 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	Interpret specifications, procedure manuals and test results.
Writing	- Record and report test results and rectifications accurately and legibly using correct technical vocabulary - Access, navigate and enter computer based information
Numeracy	- Interpret instruments, gauges and data recording equipment - Use measuring equipment
Oral communication	Select and use appropriate spoken communication strategies with work colleagues and other personnel on site
Navigate the world of work	Use electronic and other control systems to control equipment and processes and make appropriate adjustments for troubleshooting processes
Get the work done	- Maintain situational awareness in the work area - Analyse and use sensory information to adjust process to maintain and coordinate safety, quality and productivity

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMPUL440 Troubleshoot and rectify pulping processes Release 2	PPMPUL440 Troubleshoot and rectify pulping processes 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>