



Australian Government

PPMDEO440 Troubleshoot and rectify dry end systems

Release: 2

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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 analyse, rectify and report on dry end systems in the pulp and paper industry.

This unit applies to senior operators and production specialists who troubleshoot and rectify dry end systems in a pulp and paper manufacturing facility. Dry end operations describe a range of systems and sub systems including drying processes, reeling operations, chemical additive system, monitoring systems, sheet treatment processes, tail feed systems, broke system, on-line coating systems, calendering systems, vacuum systems, laser systems, slitter systems, sheet transfer systems, accumulator, cleaning showers.

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

Pre-requisite Unit

Nil

Unit Sector

Dry end operations (DEO)

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 systems and	1.1 Identify and analyse system or quality faults in dry end operations in accordance with production requirements, relevant workplace

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
quality faults	<p>health and safety procedures, risks and hazards identification and environmental workplace procedures</p> <p>1.2 Interpret alarm systems and observations to determine faults and location</p> <p>1.3 Identify faults through routine physical inspections of plant, processes and equipment</p> <p>1.4 Interpret sampling and results to identify variations from operating procedures</p> <p>1.5 Use appropriate techniques to identify and locate cause and source of the problem</p> <p>1.6 Access and analyse relevant data, as required to assist analysis</p> <p>1.7 Communicate information to relevant personnel</p> <p>1.8 Select, fit, use and maintain personal protective equipment according to job requirements and task to be undertaken</p>
2. Rectify system and equipment faults	<p>2.1 Initiate, prior to fault rectification, emergency stop or shutdown, and isolation procedures</p> <p>2.2 Isolate, repair or replace faulty equipment and undertake appropriate adjustments and rectification</p> <p>2.3 Implement corrective operational adjustments and maintenance requirements according to organisational procedures</p> <p>2.4. Restore normal operations and communicate to relevant personnel</p>
3. Rectify product quality faults	<p>3.1 Identify by observation, inspection and testing, product quality faults or variations</p> <p>3.2 Undertake sampling and conduct tests for product faults or variations</p> <p>3.3 Interpret test results and adjust processes to correct variations from specifications</p>
4. Record and report process performance and product quality data	<p>4.1 Identify recording and reporting workplace requirements for process performance and product quality data</p> <p>4.2 Document variations from specification and performance</p> <p>4.3 Deal with out of specification product according to standard operating procedures</p> <p>4.3 Record corrective action undertaken, according to organisational procedures</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
Reading	<ul style="list-style-type: none"> Interpret specifications, procedure manuals and test results
Writing	<ul style="list-style-type: none"> Record and report test results and rectifications accurately and legibly using correct technical vocabulary Access, navigate and enter computer based information
Oral communication	<ul style="list-style-type: none"> Select and use appropriate spoken communication strategies with work colleagues and other personnel on site
Numeracy	<ul style="list-style-type: none"> Interpret instruments, gauges and data recording equipment
Navigate the world of work	<ul style="list-style-type: none"> Use electronic and other control systems to control equipment and processes and make appropriate adjustments for troubleshooting 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 production

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMDEO440 Troubleshoot and rectify dry end systems Release 2	PPMDEO440 Troubleshoot and rectify dry end 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>