



Australian Government

PPMRES401 Troubleshoot and rectify primary resource operations

Release: 1

PPMRES401 Troubleshoot and rectify primary resource operations

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 and rectify and report on process, equipment and quality faults in the primary resource operations of a pulp and/or 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 primary resource operations.

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

Pre-requisite Unit

Nil

Unit Sector

Primary Resource Operations (RES)

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 diagnose causes of process variation, plant and equipment faults	1.1 Prepare for rectification of primary sources operations 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 system alerts and complete routine visual checks to

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	identify system faults 1.4 Undertake routine physical inspections of plant and process to identify faults 1.5 Access and interpret relevant sources of information, and check for recent work undertaken to assist analysis 1.6 Analyse collected information to identify cause and source of process variation, plant or equipment faults 1.7 Report fault and proposed corrective actions to relevant personnel
2. Rectify process variation, plant or equipment faults	2.1 Initiate emergency stop or shutdown, isolation and lock-out according to workplace health and safety and operating procedures 2.2 Isolate, repair or replace faulty equipment or instrumentation according to manufacturer specifications 2.3 Implement corrective operational adjustments and operator level maintenance requirements 2.4 Restore to normal operations and communicate verification to relevant personnel
3. Identify and rectify product quality faults	3.1 Identify product faults or variations by observation and systematic sampling and testing 3.2 Check load weight and dimensions to ensure they fall within capacity of equipment 3.3 Interpret test results to determine required operational adjustments 3.4 Rectify faults and causes or recommend further action according to operating procedures 3.5 Manage out-of-specification production
4. Record and report troubleshooting and rectification activities	4.1 Document process and product faults 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
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
PPMRES401 Troubleshoot and rectify primary resource operations	PPMRES340 Troubleshoot and rectify primary resource operations	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>

