



Australian Government

PPMRES340 Troubleshoot and rectify primary resource operations

Release: 1

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Modification History

Release	Comment
1	Replaces equivalent unit FPPRES340A Troubleshoot and rectify primary resource operations, which was first released with FPP10 Pulp and Paper Manufacturing Industry Training Package Version 1.0. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to identify, diagnose and rectify primary resource operations, in a pulp or paper manufacturing facility.

The unit applies to senior operators and production specialists who troubleshoot and rectify primary resource operations. This typically involves working in a facility with complex integrated equipment and continuous operations.

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states and territories at the time of publication and may differ according to jurisdiction.

Pre-requisite Unit

Nil

Unit Sector

Pulp and Paper Manufacturing

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.
1. Identify and diagnose causes of process variation,	1.1. Check and plan work within workplace health and safety (WHS) procedures, risks and hazards identification,

ELEMENTS	PERFORMANCE CRITERIA
plant or equipment faults	environmental sustainability procedures and Standard Operating Procedures (SOP). 1.2. Interpret visual assessments and machine alarms to determine fault type and location. 1.3. Undertake routine physical inspections of plant and process to identify faults. 1.4. Identify and locate causes and sources of process variation, plant or equipment faults, using appropriate techniques. 1.5. Access and analyse relevant historical and operational data to confirm diagnosis.
2. Rectify process variation, plant or equipment faults	2.1. Initiate emergency stop or shutdown, isolation and lockout procedures prior to fault rectification. 2.2. Isolate, repair or replace faulty equipment or instrumentation. 2.3. Implement corrective operational adjustments and operator level maintenance requirements. 2.4. Restore to normal operations and communicate to relevant personnel.
3. Identify and rectify product quality faults	3.1. Identify product faults or variations by observation, systematic sampling and testing. 3.2. Manage out-of-specification production. 3.3. Check load weight and dimensions to ensure they fall within the capacity of the equipment. 3.4. Take samples for tests to detect quality faults. 3.5. Conduct required tests. 3.6. Interpret test results, adjust operations to correct variations or make recommendations for further action.
4. Record and report troubleshooting activities	4.1. Document variations from specifications and machine operating faults. 4.2. Undertake assessment and evaluation of causes of deviations and document corrective actions. 4.3. Communicate relevant information to appropriate personnel.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	• interpret instruments, gauges and data recording equipment • use measuring equipment and undertake calculations to aid troubleshooting.
Oral communication skills to:	• select and use appropriate spoken communication strategies with work colleagues and other personnel on site, to assist with analysis and resolution of operational problems.
Reading skills to:	• read and interpret equipment specifications, work place documentation, and procedures.
Writing skills to:	• record and report test results and rectifications accurately and legibly, using correct technical vocabulary.
Technology skills to:	• access, navigate and enter computer-based information • use electronic and other digital control systems to control equipment and processes.
Problem solving skills to:	• maintain situational awareness in the work area • analyse and use sensory information to adjust process and to maintain and co-ordinate safety, quality and productivity.

Range of Conditions

Not Applicable

Unit Mapping Information

FPPRES340A Troubleshoot and rectify primary resource operations

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingPackages.aspx/Pages/Home.aspx>