



Australian Government

PPMWEO440 Troubleshoot and rectify wet end systems

Release: 1

PPMWEO440 Troubleshoot and rectify wet end systems

Modification History

Release	Comments
1	Replaces equivalent unit FPPWEO440A Troubleshoot and rectify wet end systems, 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 troubleshoot and rectify wet end systems in the pulp and paper industry.

The unit applies to senior operators and production specialists who identify and rectify system and quality faults in the wet end of a pulp or paper manufacturing facility. This typically involves working in a facility with complex integrated equipment and continuous operations.

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

Pre-requisite Unit

Nil

Unit Sector

Pulp and Paper Manufacturing

Elements and Performance Criteria

Element	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 analyse causes of system and quality faults	1.1. Interpret alarm mechanism and make observations to determine fault type and location according to standard operating procedures (SOPs).

Element	Performance Criteria
	<p>1.2. Conduct routine inspections of plant and processes to identify faults according to work health and safety (WHS) regulations and procedures, environmental and safe working requirements and practices.</p> <p>1.3. Identify and deal with hazards according to safe workplace procedures.</p> <p>1.4. Undertake required sampling and testing.</p> <p>1.5. Interpret sampling and testing to identify variations from operating parameters.</p> <p>1.6. Identify impact of fault on productivity requirements.</p> <p>1.7. Access and interpret relevant sources of information to assist analysis.</p> <p>1.8. Communicate information to relevant personnel.</p>
2. Rectify systems and equipment faults	<p>2.1. Shut down and isolate equipment prior to fault rectification according to WHS procedures, environmental and safe working requirements/practices.</p> <p>2.2. By-pass faulty equipment where the process allows.</p> <p>2.3. Repair or replace faulty equipment as required.</p> <p>2.4. Make corrective adjustments to equipment.</p> <p>2.5. Undertake operator level maintenance as required.</p> <p>2.6. Verify restoration to normal operation and communicate to relevant personnel.</p>
3. Rectify product quality faults	<p>3.1. Identify product quality faults or variations by observation, inspection and testing.</p> <p>3.2. Take samples for tests required to detect quality faults.</p> <p>3.3. Interpret test results and adjust processes to correct variations from specification.</p>
4. Record process performance and product quality data	<p>4.1. Document variations from specifications.</p> <p>4.2. Document performance variations.</p> <p>4.3. Record corrective actions and communicate to personnel.</p> <p>4.4. Dispose of out-of-specification product.</p>

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria	
Learning skills to:	<ul style="list-style-type: none"> plan actions for shift select and use appropriate troubleshooting methods for fault rectification.
Numeracy skills to:	<ul style="list-style-type: none"> interpret instruments, gauges and data recording equipment use measuring equipment undertake calculations to aid troubleshooting.
Communication skills to:	<ul style="list-style-type: none"> interpret non-verbal signals including hand signals and alarms.
Oral communication skills to:	<ul style="list-style-type: none"> communicate with personnel to assist with analysis and resolution of operational problems communicate restoration to normal operation.
Teamwork skills to:	<ul style="list-style-type: none"> assist others to identify and resolve operational problems in the workplace.
Reading skills to:	<ul style="list-style-type: none"> identify, access and interpret relevant historical and operational data and information access and navigate computer-based information access and interpret plant systems and operation documentation to assist analysis of faults.
Writing skills to:	<ul style="list-style-type: none"> record process performance and product quality data document shift information using log books, emails, incident reports and run sheets document variations from specifications, performance variations, and corrective actions.
Problem solving skills to:	<ul style="list-style-type: none"> maintain situational awareness in the workplace.

Range of Conditions

Not Applicable

Unit Mapping Information

FPPWEO440A Troubleshoot and rectify wet end systems

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingPackages.aspx/Pages/Home.aspx>