



Australian Government

Assessment Requirements for PPMWEO401 Troubleshoot and rectify wet end systems

Release: 1

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Modification History

Release	Comments
Release 1	This version released with PPM Pulp and Paper Manufacturing Training Package Version 3.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has carried out troubleshooting and rectification activities for at least one of the following wet end system types, on at least two occasions according to operational requirements:

- stock approach systems
- forming system
- pressing systems
- cleaning and screening system.

In doing the above, the individual must have, for each occasion:

- selected and used appropriate troubleshooting and testing methods to identify system and product quality faults
- diagnosed causes and sources of faults on system and associated processes
- identified and taken timely corrective action to rectify and maximise safety, quality and productivity
- communicated effectively and worked safely with others when undertaking troubleshooting and rectification activities
- completed accurate detailed records for system and product faults, diagnostic and corrective action processes on completion of fault rectification activity.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace and legislative health and safety requirements and risk measures relevant to operating, troubleshooting and rectifying wet end systems, including emergency procedures, handling chemical and hazardous substances, high risk load shifting, licensing requirements, plant clearance and permit systems

- environmental requirements relevant to wet end systems, including disposal procedures
- manufacturer specifications and operating procedures for wet end plant and equipment, including shutdown and isolation procedures
- wet end plant, processes and associated services sufficient to troubleshoot, including:
 - plant layout
 - theory of operation
 - causes and effects of adjustments made to wet end plant and processes
 - relationships between wet end plant, processes and associated services
- troubleshooting methods that can be applied across system and problem faults in wet end systems
- sampling and testing process for plant and system operations, and process monitoring – purpose, standards and procedures as per site agreements
- use and handling requirements of chemicals used; their purpose, effects, Safety Data Sheets (SDS) and standard operating procedures
- causes and effects of unplanned shutdown, and appropriate responses
- mill maintenance system as it applies to wet end plant and processes
- electronic and other control systems, operation and application to make appropriate adjustments that control wet end operations.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a paper manufacturing facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - fully automated, semi-automated and manually operated plant and equipment appropriate to the wet end process, and related consumables
 - tools, equipment and materials used to troubleshoot and rectify wet end systems
 - personal protective equipment required for troubleshooting wet end systems
 - proforma or recording system for recording diagnostic and corrective action processes
- specifications:
 - workplace and standard operating procedures relating to troubleshooting and rectifying wet end systems, including health and safety, environmental, risks and hazards identification, plant isolation and requirements
 - manufacturer specifications and operating procedures
- relationships:
 - relevant personnel for the purposes of communicating information.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=12998f8d-d0ac-40bc-a69e-72a600d4fd93>