



Australian Government

Assessment Requirements for PPMSPR440 Troubleshoot and rectify stock preparation 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.

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:

- identified and rectified faults in plant, equipment and product quality and system performance, at least twice in line with required enterprise intervals, relevant to stock preparation systems
- selected and used appropriate trouble shooting methods in stock preparation systems
- used electronic and other control systems, including portable control devices, touch screens or robotics to control equipment and processes during troubleshooting
- communicated effectively and working safely with others, in the work area when rectifying stock preparation systems
- identified, analysed causes and rectified system and equipment faults for stock preparation system types including:
 - refining system
 - blending system
 - proportioning system
 - broke system
 - cleaning system
 - water recovery system
 - chemical and additive plants
- sampled and tested stock for variations from quality specifications
- completed accurate detailed records for system and product faults, diagnostic and corrective action processes on completion of fault rectification jobs.

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:

- organisational procedures relevant to workplace health and safety with particular emphasis on:
 - use of personal protective equipment (PPE)
 - equipment lock out and isolation procedures
 - handling chemicals and hazardous substances, including spill and disposal guidelines
 - plant clearance requirements
 - emergency procedures and responses
 - job safety analysis documentation and processes
 - plant permit systems and processes
 - high risk load shifting licensing requirements where relevant
 - major hazard facility requirements where relevant
- system layout for stock preparation systems
- purpose, features and operation of stock preparation system plant, operating parameters and allowable variations
- operation and application of electronic and other control systems
- relationships between all components of stock preparation plant, processes and associated services
- troubleshooting methods that can be applied across system and problem faults in stock preparation systems including:
 - equipment faults
 - deviations from operational specifications for equipment
 - deviations from quality specifications for stock
- stock preparation processes and equipment required to:
 - shut down equipment
 - restore system operation
- purpose of, and processes for sampling and testing stock quality, plant and system operations
- quality requirements for different types of stock
- effect of process adjustments on stock quality and productivity
- organisational procedures:
 - standard operating procedures specific to inspecting and rectifying faulty stock preparation equipment and product
 - communication reporting lines
 - recording and reporting system and product faults, diagnostic and corrective action processes.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace or a productive environment that accurately reflects performance in a workplace
- resources, equipment and materials:
 - access to the full range of equipment involved in integrated continuous manufacturing of stock preparation systems in a pulp or paper manufacturing facility
 - testing equipment for stock
 - maintenance tools and equipment and consumables for stock preparation equipment
 - PPE suitable for inspecting and rectifying faulty stock preparation equipment and product
- specifications:
 - organisational workplace health and safety and standards for stock preparation systems in a pulp or paper mill
 - template documents for recording system and product faults, diagnostic and corrective action processes operating procedures for inspecting and rectifying faulty stock preparation equipment and product.

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.education.gov.au/Pages/TrainingDocs.aspx?q=12998f8d-d0ac-40bc-a69e-72a600d4fd93>