



Australian Government

PPMPRM201 Undertake operator level preventative maintenance

Release: 1

PPMPRM201 Undertake operator level preventative maintenance

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 complete routine inspections, carry out preventative maintenance and rectify faults for pulp and paper manufacturing plant and equipment.

The unit applies to production support operators who undertake routine maintenance tasks for complex equipment used continuously in a pulp or paper manufacturing facility.

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

Pre-requisite Unit

Nil

Unit Sector

Preventative Maintenance (PRM)

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. Inspect plant and equipment and rectify routine faults	1.1 Complete regular visual or physical walk around inspections to assess plant and equipment performance 1.2 Inspect equipment to identify faults and preventative maintenance requirements 1.3 Identify health and safety hazards and apply control measures within limits of responsibility 1.4 Record and report faulty plant and equipment and maintenance requirements and safety concerns according to workplace

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	requirements 1.5 Rectify routine faults within limits of responsibility according to workplace health and safety and operating procedures 1.6 Refer complex faults to relevant personnel as required 1.7 Document equipment repair actions according to workplace procedures
2. Complete preventative maintenance for plant and equipment	2.1 Select required repair, maintenance and personal protective equipment and check for operational effectiveness 2.2 Locate plant and equipment and plan sequence of maintenance activities according to productivity and workplace health and safety requirements 2.3 Shut down and isolate equipment according to operating procedures 2.4 Interpret process and navigation controls according to operating specifications 2.5 Complete routine preventative maintenance according to maintenance schedules, manufacturer specifications and in response to immediate need 2.6 Record maintenance activities according to workplace requirements

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 in maintenance schedules and workplace procedures
Writing	Complete accurate basic records in the required format
Oral communication	Report equipment faults and safety concerns using clear language and industry terminology
Numeracy	Interpret basic numerical settings on instruments, gauges and data

Skill	Description
	recording equipment Record basic numerical data in repair and maintenance logs

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMPRM201 Undertake operator level preventative maintenance	PPMPRM210 Undertake operator level preventative maintenance	Changes to 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>

Assessment Requirements for PPMPRM201 Undertake operator level preventative maintenance

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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:

- completed at least two inspections for each of the following pulp and paper manufacturing equipment:
 - levels in sight glasses
 - belt fatigue
 - gear backlash
 - stretch and slack in chains
 - sprocket wear
 - gear box noise and heat
 - damaged equipment or components
 - control panel indicators
 - electronic control indicators
 - air and oil pressure gauges
 - flow levels
 - pressure checks
- completed one or more of the following basic non-specialist repairs and maintenance for each of pulp and paper manufacturing equipment listed above:
 - cleaning
 - oil top-ups
 - blade changes
 - filter changes or cleaning
 - greasing
 - lubricating
 - pressure checks
 - removing and replacing machinery components

- maintaining or replacing consumables
- tightening, tensioning and adjusting machinery components
- completed accurate basic records for equipment faults, repair and maintenance actions taken for each equipment inspection.

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:

- purpose, features and operation of a range of pulp and paper manufacturing equipment to determine repair and maintenance requirements
- consequences of inadequate preventative maintenance
- methods used to test equipment and diagnose faults
- use of instrumentation data as an indication of plant and equipment requiring preventative maintenance
- basic non-specialist repair and maintenance techniques for pulp and paper manufacturing equipment, including:
 - oil top-ups
 - blade changes
 - filter changes or cleaning
 - greasing
 - lubricating
 - pressure checks
 - removing and replacing machinery components
 - maintaining or replacing consumables
- safe handling and disposal of lubricants
- workplace procedures relevant to preventative maintenance:
 - standard operating procedures
 - workplace health and safety with particular emphasis on equipment lock-out, use of personal protective equipment and handling hazardous substances
 - communication reporting lines
 - recording and reporting equipment faults, repair and maintenance actions.

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 pulp and/or paper manufacturing facility or an environment that accurately reflects performance in a workplace
- resources, equipment and materials:

- pulp and paper manufacturing plant and equipment as specified in performance evidence
- repair and maintenance tools, equipment and consumables
- personal protective equipment suitable for repair and maintenance tasks
- proforma or recording system for recording equipment faults, repair and maintenance actions
- specifications:
 - workplace and standard operating procedures relating to preventative maintenance, including health and safety, risks and hazards identification, plant isolation, quality, housekeeping and environmental requirements
 - maintenance schedules for plant and equipment.

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

Links

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