



Australian Government

PPMPRM210 Undertake operator level preventative maintenance

Release: 1

PPMPRM210 Undertake operator level preventative maintenance

Modification History

Release	Comment
1	Replaces equivalent unit FPPPRM210A Undertake operator level preventative maintenance, which was first released with FPP10 Pulp and Paper Manufacturing Industry Training Package Version 1. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to complete routine inspections and carry out preventative maintenance for plant and equipment and to rectify faults as they occur.

The unit applies to production support operators who work in a pulp or paper manufacturing facility. This work typically involves complex integrated equipment and continuous operations.

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

Pre-requisite Unit

Nil

Competency Field

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. Inspect plant and equipment and rectify	1.1. Complete regular visual or physical walk around inspections to assess plant and equipment performance.

ELEMENTS	PERFORMANCE CRITERIA
routine faults	1.2. Inspect equipment to identify faults and preventative maintenance requirements. 1.3. Record and report faulty plant and equipment and maintenance requirements. 1.4. Rectify faults within limits of responsibility and document actions and outcomes.
2. Complete preventative maintenance for plant and equipment	2.1. Select appropriate repair, maintenance and personal protective equipment and check for operational effectiveness. 2.2. Follow organisational safety procedures throughout all maintenance and repair processes 2.3. Locate plant and equipment and plan sequence of maintenance activities. 2.4. Initiate appropriate isolations and shut down equipment as required. 2.5. Interpret process and navigation controls. 2.6. Complete routine preventative maintenance in line with maintenance schedules and in response to immediate need. 2.7. Record maintenance activities in operating log.

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 basic numerical settings on instruments, gauges and data recording equipment - record basic numerical data in repair and maintenance logs.
Reading skills to:	- interpret: - workplace health and safety and standard operating procedures - maintenance schedules.
Writing skills to:	complete accurate basic records of equipment faults, repair and maintenance actions.
Planning and organising skills to:	efficiently and logically sequence the stages of maintenance work using schedules to guide activities.
Problem-solving skills to:	use and assess sensory information (sight, sound, touch, smell, vibration, temperature) to respond to equipment faults.

Range of Conditions

Not Applicable

Unit Mapping Information

FPPPRM210A Undertake operator level preventative maintenance

Links

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

Assessment Requirements for PPMPRM210 Undertake operator level preventative maintenance

Modification History

Release	Comment
1	Replaces equivalent unit FPPPRM210A Undertake operator level preventative maintenance, 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. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including 'Required Skills and Knowledge, Evidence Guide and Range Statement'

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit, and must be able to provide evidence that they can:

- complete inspections on pulp and paper manufacturing equipment, at least twice in line with required enterprise intervals, including:
 - 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
- complete basic non-specialist repairs and maintenance for pulp and paper manufacturing equipment, at least twice in line with required enterprise intervals, in line with manufacturers' recommendations including:
 - 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
- after all inspection, repair and maintenance activities, complete accurate basic records of equipment faults, repair and maintenance actions.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- purpose, features and operation of a range of pulp and paper manufacturing equipment, at a level of understanding, 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 to complete:
 - 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
- organisational procedures:
 - standard operating procedures specific to inspecting, repairing and maintaining equipment
 - 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

The following resources must be made available:

- fully automated, semi-automated, manually operated pulp and paper manufacturing equipment to repair and maintain
- repair and maintenance tools and equipment
- personal protective equipment suitable for repairing and maintaining equipment
- consumable oil, lubricants, blades and filters
- maintenance schedules
- template documents for recording equipment faults, repair and maintenance actions
- organisational workplace health and safety and standard operating procedures for inspecting, repairing and maintaining equipment.
- relevant personnel for the purposes of communicating information

Competency is to be assessed in the workplace or in a productive environment that accurately reflects performance in a workplace

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

Links

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