



Australian Government

PPMPRV201 Operate ancillary equipment

Release: 1

PPMPRV201 Operate ancillary equipment

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 start up, operate and shut down ancillary stand-alone items of equipment that support pulp and paper manufacturing operations.

The unit applies to production operators who operate ancillary equipment in a pulp and paper manufacturing facility. The ancillary equipment may be remote from the main production unit or machine, in close proximity or attached but not a part of the main operating production unit or machine. Ancillary equipment can be complex and non-complex equipment that may either operate continuously or intermittently.

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

Pre-requisite Unit

Nil

Unit Sector

Production Support (PRV)

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. Prepare for and start up ancillary equipment	1.1 Check production requirements at start of shift and plan work activities according to workplace health and safety and standard operating procedures 1.2 Identify health and safety hazards and report safety concerns 1.3 Select and fit personal protective equipment according to safety

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 1.4 Remove isolations and prepare ancillary equipment for start-up according to operating procedures 1.5 Start up ancillary equipment and confirm operational settings to required specification
2. Monitor and control ancillary equipment	2.1 Monitor ancillary equipment to meet specified system parameters 2.2 Identify, rectify or report routine variations from specification 2.3 Complete routine preventative maintenance according to maintenance schedules
3. Shut down ancillary equipment	3.1 Coordinate planned shutdown of ancillary equipment according to maintenance schedule or operating instruction 3.2 Initiate required isolations and shut down equipment according to workplace health and safety and operating procedures 3.3 Respond to unplanned shutdown promptly, initiate required isolations, and identify and locate cause of unplanned shutdown 3.4 Identify effects of unplanned shutdown to determine impact on operations 3.5 Rectify equipment and restart or report to relevant personnel for restart action
4. Record and report equipment and process data	4.1 Interpret equipment and process data and enter into recording system 4.2 Communicate problems or variations with equipment or process to relevant personnel

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 workplace procedures and maintenance schedules

Skill	Description
Writing	Complete accurate basic records in the required format
Oral communication	Provide information about problems or variations with equipment using clear language and industry terminology
Numeracy	- Interpret basic numerical settings on instruments, gauges and data recording equipment - Record basic numerical data for test results and production outcomes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMPRV201 Operate ancillary equipment	PPMPRV210 Operate ancillary equipment	Changes to elements, 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 PPMPRV201 Operate ancillary equipment

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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 started, operated and shut down at least one of the ancillary equipment to support a pulp and paper manufacturing operation for at least two operational intervals:

- air compressor
- air dryer
- air make-up units
- monitoring systems
- air handling units
- building ventilation systems
- line dust collection systems
- dust scrubber systems
- heating, ventilating and air conditioning (HVAC) systems.

In completing the above, there must also be evidence that the individual has for each interval:

- monitored that equipment to ensure operations are within system parameters
- responded appropriately to process variations and equipment start-up and shutdown faults
- completed routine maintenance on the equipment
- completed accurate basic records for equipment processes and problems.

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:

- system layout for ancillary equipment
- purpose, features and operation of ancillary equipment, operating parameters and allowable variations
- operation and application of electronic and other control systems

- stages involved in starting up ancillary equipment and conducting pre-start-up safety checks
- methods used to monitor ancillary equipment operations against specified system parameters
- types, causes and effects of, and required emergency and other responses to, unplanned ancillary equipment shutdowns, including:
 - power outage
 - mechanical breakdown
 - blockages
 - jamming
 - air supply
 - control system failure
- responses to unplanned or emergency shutdowns that are appropriate to the cause
- methods used to test ancillary equipment and diagnose faults
- workplace procedures relevant to operating ancillary equipment:
 - standard operating procedures
 - workplace health and safety, including equipment lock-out and use of personal protective equipment
 - communication reporting lines
 - recording and reporting processes, equipment start-up, shutdown and problems.

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:
 - ancillary equipment as specified in performance evidence
 - electronic screens and alarms
 - process control systems
 - maintenance tools and equipment for ancillary equipment
 - personal protective equipment suitable for operating and maintaining ancillary equipment
 - proforma or recording system for recording equipment processes and faults
- specifications:
 - workplace and standard operating procedures relating to operating ancillary equipment, including health and safety, risks and hazards identification, plant isolation, quality, housekeeping and environmental requirements
 - maintenance schedules for ancillary equipment.

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

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