

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.

PPMWPO320	Prepare and start up waste paper operations
Application	<p>This unit of competency describes the skills and knowledge required to determine production requirements, prepare and establish start up waste paper operations in a pulp or paper manufacturing facility.</p> <p>This unit applies to production operators and technicians who prepare and start up waste paper operations, in the pulp and paper industry. This typically involves working in a facility with complex integrated equipment and continuous operations.</p> <p>No licensing, legislative or certification requirements apply to this unit at the time of publication.</p>
Prerequisite Unit	Nil
Unit Sector	Pulp and Paper Manufacturing (PPM)

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. Determine production requirements	1.1 Confirm planned production requirements and communicate to relevant personnel 1.2 Determine furnish type, chemical requirements and supply rate (conveyer loading procedure) and communicate to relevant personnel 1.3 Confirm availability of supplies to meet production requirements 1.4 Confirm readiness and availability of facilities to receive process product and/or by-products 1.5 Carry out waste paper startup activities according to relevant documentation, productivity requirements and workplace health and safety and standard operating procedures including use of personal protective equipment, risks and hazards identification and housekeeping requirements
2. Inspect and prepare systems for startup	2.1 Inspect systems for waste paper operations 2.2 Complete pre-start check ups 2.3 Make and confirm operational settings with specification requirements 2.4 Confirm production status with relevant personnel 2.5 Check monitoring devices and systems to confirm they are operational 2.6 Rectify identified faults or take appropriate actions
3. Implement startup operations	3.1 Activate systems for startup and confirm they are operational 3.2 Coordinate equipment startups for production 3.3 Monitor systems and adjust to rectify variations from specifications 3.4 Communicate process operations to relevant personnel 3.5 Log, record or file production startups
4. Establish and stabilise the production and quality processes	4.1 Monitor and adjust systems to rectify variations from specifications 4.2 Take samples as required and complete appropriate actions 4.3 Log, record or file system operation, production and quality data

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Read and interpret documentation, procedure manuals and test results
Writing	<ul style="list-style-type: none"> Log and record production and start up details, accurately and legibly, using correct technical vocabulary Access, navigate and enter computer based information
Oral communication	<ul style="list-style-type: none"> Speak clearly and directly when working with colleagues when preparing and starting up waste paper operations
Numeracy	<ul style="list-style-type: none"> Use measuring equipment Interpret instruments, gauges and data recording equipment
Navigate the world of work	<ul style="list-style-type: none"> Use electronic and other control systems to control equipment and processes for waste paper operations
Get the work done	<ul style="list-style-type: none"> Maintain situational awareness in the work area Analyse and use sensory information to adjust process to maintain and coordinate safety, quality and productivity

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
PPMWPO320 Prepare and start up waste paper operations Release 2	PPMWPO320 Prepare and start up waste paper operations Release 1	Minor changes to performance criteria and knowledge evidence	Equivalent unit

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

TITLE	Assessment requirements for PPMWPO320 Prepare and start up waste paper operations
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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:

- prepared and started up waste paper operations, at least twice in line with required enterprise intervals
- identified and actioned problems within level of responsibility
- undertaken pre-startup checks and confirmed that services, raw material, equipment and personnel are available and faults are identified
- identified and monitored process control points
- planned and organised startups
- monitored and adjusted systems, through inspections and tests, and rectified variations from specifications
- used and interpreted electronic control systems, including digital control system, touch screens or robotics to control equipment and processes during operations
- reported on sampling, tests and operational data
- communicated effectively, through written and verbal means, and working safely with others, in the work area when undertaking waste paper operations.

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
- documentation and procedures relevant to waste paper operations in the pulp and paper industry and including:
 - standard operating procedures and housekeeping
 - productivity requirements and quality procedures
 - environmental sustainability requirements and practices
 - machinery and plant manufacturing operating manuals
 - enterprise policies and procedures
 - safety data sheets, furnish sheets and tally sheets
 - maintenance logs, job sheets
 - site agreements
- hazards and risks including steam and/or gas leaks, fires, chemicals, fumes, confined spaces and dust, and how to address them
- key features of waste paper operations including pulping, screening, dewatering and reject systems
- appropriate materials and their uses in waste paper operations including waste paper, air, water, chemicals, broke, steam and electricity
- waste paper plant, processes, layout and associated services sufficient to carry out startup responsibility
- electronic and other control systems, to make appropriate adjustments that control the waste paper operations

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:

Assessment Conditions	
<ul style="list-style-type: none">• a workplace or a productive environment that accurately reflects performance in a workplace• resources, equipment and materials:<ul style="list-style-type: none">• access to the full range of equipment involved in integrated continuous manufacturing for the start up of waste paper operations in a pulp or paper manufacturing facility• PPE required for starting up waste paper operations• specifications:<ul style="list-style-type: none">• sample workplace documentation, procedures and reports including SOP, quality procedures, environmental sustainability requirements/practices, plant manufacturing operating manuals, oil or chemical spills and disposal guidelines, plant isolation documentation, safe work documentation <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=12998f8d-d0ac-40bc-a69e-72a600d4fd93