



**Australian Government**

**Assessment Requirements for  
PPMWPO440 Troubleshoot and rectify  
waste paper operations**

**Release: 2**

# Assessment Requirements for PPMWPO440 Troubleshoot and rectify waste paper operations

## 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:

- carried out troubleshooting and rectification activities for waste paper operations, at least twice in line with required enterprise intervals, and undertake corrective action on equipment and product faults
- planned and safely diagnosed causes and sources of process variation, plant, equipment and product faults
- taken timely corrective action to maximise safety, quality and productivity
- used safety accessories including protective and high visibility, safety clothing and electronic communication equipment when working with waste paper operations
- communicated effectively, through written and verbal means, the corrective actions undertaken.

## 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
- waste paper operations including:
  - pulping
  - screening
  - de-watering
  - reject systems
- troubleshooting methods applicable to waste paper operations
- relevant documentation and procedures to troubleshoot waste paper operations in the pulp and paper industry, including:
  - standard operating procedures (SOP)
  - productivity requirements and quality procedures
  - environmental sustainability requirements and practices
  - plant manufacturing operating manuals and plant isolation documentation
  - enterprise policies and procedures and guidelines
  - safety data sheets
  - furnish and tally sheets and process and instrument diagrams
  - process and instrument diagrams
- processes and associated services of waste paper operations, sufficient to troubleshoot, including:
  - plant layout
  - principles of process and equipment operation
  - causes and effects of adjustments made to waste paper handling plant and processes
  - relationships between waste paper handling system, processes and associated services
- the use of materials and supplies in waste paper operations including:
  - waste paper
  - air
  - chemicals
  - broke
  - steam
  - water
  - electricity
- the purpose, standards and procedures as per site agreement, of sampling and testing process for plant and system operations, and process monitoring
- the purpose and operation of reject and water systems in waste paper operations
- the impact of process variables on production and quality and making process adjustments
- key features of maintenance systems including:
  - operator level maintenance as per site agreements
  - operator maintenance schedules
  - maintenance suppliers

- pro-active maintenance strategies
- how to operate load shifting equipment
- use of electronic and other control systems, that control waste paper operations, to make appropriate adjustments
- productivity requirements including energy efficiency, waste minimization, evaporation minimisation, landfill and waste water reduction, consideration of resource utilisation, fibre efficiency, minimising delays, chemical recovery maximisation, line speed, handovers and quality checks.

## 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 waste paper operations in a pulp or paper manufacturing facility
  - maintenance tools and equipment and consumables for waste paper operations
  - PPE suitable for inspecting and rectifying faulty waste paper equipment and product
- specifications:
  - template documents for recording system and product faults, diagnostic and corrective action processes operating procedures for inspecting and rectifying faulty waste paper equipment and product
  - sample workplace documentation, procedures and reports including SOP, quality procedures, environmental sustainability requirements/practices, plant manufacturing operating manuals, enterprise policies and procedures, oil or chemical spills and disposal guidelines, plant isolation documentation, safe work documentation
  - organisational workplace health and safety and standard procedures for waste paper operations in a pulp or paper mill.

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>