Australian Government

PPM40116 Pulping Operations

R1

INDUSTRY
SKILLS
COUNCILS
Creating Australia's Future

PPM40116 Certificate IV in Pulping Operations

Modification History

Release	Comments
Release 1	This qualification first released with PPM Pulp and Paper Manufacturing Training Package Release 1.0

Qualification Description

This qualification describes the skills and knowledge of individuals who perform high level technical production roles in a pulping operation. Work activities involve the application of technical skills and detailed knowledge using discretion and judgement. Individuals in these roles are generally pivotal to the production process, providing complex technical advice and support to a team. They would be expected to apply detailed technical knowledge to solve a range of complex problems relating to equipment, process, output and quality. Work would be carried out independently under general or limited supervision.

Job roles

A key focus of the qualification, and therefore vocational outcomes, is on skills for troubleshooting and rectifying production pulping production processes, and will reflect the duties of a senior operator/technician or production specialist in one or more of the following areas:

Pulping operations; waste paper recycling; primary resources operations; stock preparation and handling; fibre preparation

Co-located job roles

Electricity Generation/Turbine; Steam Generation/Boilerhouse; Water Services; Chemical Recovery; Chemical Preparation

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

Entry Requirements

There are no entry requirements for this qualification.

Forestworks Learning and Skill Development

Packaging Rules

To be awarded the PPM40116 Certificate IV in Pulping Operations, competency must be achieved in **ten (10)** units of competency.

- **six (6)** core units of competency
- **four(4)** elective units of competency

All units within at least one Industry Specific group must be selected. Remaining electives may be selected from the Elective Units list and can include up to **(two) 2** units from an endorsed Training Package or State/Territory accredited course.

CORE UNITS

PPMPRS320 Solve systemic problems in the workplace
TLIE4006 Collect, analyse and present workplace data and information
PPMWHS320 Maintain WHS processes
PPMQAS420 Co-ordinate in-process quality assurance
MEM12024A Perform computations
MSAENV472B Implement and monitor environmentally sustainable work practices

INDUSTRY SPECIFIC ELECTIVE UNITS
Chemical recovery operations

PPMREC440 Troubleshoot and rectify chemical recovery operations

Electrical power generation

PPMEPG440 Troubleshoot and rectify power generation system

Pulping operations

PPMPUL440 Troubleshoot and rectify pulping processes

Steam generation

PPMSTM440 Troubleshoot and rectify boiler plant systems

Stock preparations operations

PPMSPR440 Troubleshoot and rectify stock preparation systems

Waste paper operations

PPMWPO440 Troubleshoot and rectify waste paper operations

ELECTIVE UNITS
Some units in this group are either generic and/or considered suitable for both papermaking and pulping, thereby enhancing job transition and career progression.
Business support

PPMQAS430 Oversee quality assurance process

Forestworks Learning and Skill Development

BSBCMM401 Make a presentation
BSBFLM305 Support operational plan
BSBFLM309 Support continuous improvement systems and processes
BSBFLM311 Support a workplace learning environment
BSBREL401 Establish networks
BSBRSK401 Identify risk and apply risk management processes
BSBLDR402 Lead effective workplace relationships
BSBLDR403 Promote team effectiveness
BSBWRK402A Empower workers
BSBWRK403A Communicate with workers
BSBWRK404A Promote equality of opportunity and fair treatment for all workers
BSBWRK406A Participate in the bargaining process
BSBWRK407A Provide advice to union members
BSBWRK408A Undertake negotiations
BSBWRK409 Prepare for and participate in dispute resolution
MSAPMSUP382A Provide coaching/mentoring in the workplace

Coated paper processes

PPMCPP440 Troubleshoot and rectify coated paper processes

Computers / process control equipment

PPMCSK310 Operate process control equipment

Emergency procedures / safety

PPMWHS410 Identify, assess and control WHS risk in own work
BSBWHS402 Assist with compliance with WHS laws
BSBWHS403 Contribute to implementing and maintaining WHS consultation and participation processes
BSBWHS404 Contribute to WHS hazard identification, risk assessment and risk control
BSBWHS405 Contribute to implementing and maintaining WHS management systems
BSBWHS510 Contribute to implementing emergency procedures
BSBWHS409 Assist with workplace monitoring processes
BSBWHS401 Implement and monitor WHS policies, procedures and programs to meet legislative requirements
MSAPMOHS110A Follow emergency response procedures

Environmental monitoring

PPMENV320 Monitor and control environmental hazards

First aid

MSAPMOHS220A Provide initial first aid response

Laboratory operations

MSL904001 Perform standard calibrations

Load shifting

PPMMHV210 Operate overhead crane
TLID2010 Operate a forklift
TLID3011 Conduct specialised forklift operations
TLID2013 Move materials mechanically using automated equipment
TLID3024 Use specialised liquid bulk transfer equipment (gravity/pressurised)
TLID2003 Handle dangerous goods/hazardous substances
TLID3031 Rig load
TLID3035 Operate a boom type elevating work platform
TLID2047 Prepare cargo for transfer with slings

Numeracy

PPMNUM430 Calculate and analyse production and financial performance
MSS404052A Apply statistics to operational processes

Planning and organising

PPMPLN420 Plan a complex activity
BSBADM405 Organise meetings
MEM14005A Plan a complete activity
MEM30020A Develop and manage a plan for a simple manufacturing related project
PSPPM402B Manage simple projects

Production support

PPMPRV320 Co-ordinate and direct clothing changes
MEM18011C Shut down and isolate machines/equipment
MSS403011A Facilitate implementation of competitive systems and practices
MSS403002A Ensure process improvements are sustained
MSS402020A Apply quick changeover procedures
MSS402040A Apply 5S procedures
MSS402050A Monitor process capability
MSS403032A Analyse manual handling processes
MSS403040A Facilitate and improve implementation of 5S
MSS403051A Mistake proof an operational process

Quality

MSAPMSUP400A Develop and monitor quality systems

Sustainability

MSACMT270A Use sustainable energy practices
MSACMT271A Use sustainable environmental practices
MSS014003A Optimise sustainability of a process or plant area

Training and assessment

TAEASS505 Lead and coordinate assessment systems and services
TAEDES502 Design and develop learning resources
TAEASS301 Contribute to assessment
TAEASS502 Develop assessment tools
TAEDEL401 Plan, organise and deliver group-based learning
TAEDEL402 Plan, organise and facilitate learning in the workplace
TAEDEL404 Mentor in the workplace
TAEDES401 Design and develop learning programs
TAEDES402 Use training packages and accredited courses to meet client needs
TAETAS501 Undertake organisational training needs analysis
TAEASS401 Plan assessment activities and processes
TAEASS402 Assess competence
TAEASS403 Participate in assessment validation

Turbine operations

UEPOPS341A Shut down a steam turbine
UEPOPS411B Run up a steam turbine

WHS

PPMWHS420 Manage WHS processes

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPM40116 Certificate IV in Pulping Operations	FPP40110 Certificate IV in Pulping Operations	Updated to meet Standards for Training Packages	Equivalent qualification

Links

Companion Volume Implementation Guide -
http://www.skillsimpact.com.au/pulp-and-paper/skills-standards-and-qualifications/