



**Australian Government**

# **PPM30116 Certificate III in Pulping Operations**

**Release 1**

## PPM30116 Certificate III in Pulping Operations

### Modification History

Not applicable.

### Qualification Description

This qualification describes the skills and knowledge of individuals who perform production roles in a pulping operation. Work activities involve the application of technical skills and knowledge using some discretion and judgement. Individuals in these roles generally provide technical advice and support to a team and work under general supervision. They would be expected to apply technical knowledge to rectify a range of predictable and unforeseen problems relating to start up, operation and shutdown activities.

#### **Job roles**

A key focus of the qualification, and therefore vocational outcomes, is on skills for performing production operations, mainly through start-up & shut down of pulping and ancillary equipment and processes, and will reflect the duties of a production employee or technician in one or more of the following areas:

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

#### **Co-located job roles**

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

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.

## Packaging Rules

To be awarded the PPM30116 Certificate III in Pulping Operations, competency must be achieved in **thirteen (13)** units of competency.

- **five (5)** core units of competency
- **eight (8)** 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

PPMPRS210 Identify and rectify problems in the workplace  
PPMNUM320 Measure and calculate routine workplace data  
MSS402051 Apply quality standards  
BSBFLM312 Contribute to team effectiveness  
PPMWHS210 Participate in WHS processes

### INDUSTRY SPECIFIC ELECTIVE UNITS

#### Chemical recovery operations

PPMREC320 Prepare and start up chemical recovery operations  
PPMREC330 Co-ordinate and implement chemical recovery shutdowns

#### Electrical power generation

PPMEPG320 Manage a power generation system startup  
PPMEPG330 Co-ordinate power generation system shutdown

#### Pulping operations

PPMPUL320 Prepare and start up pulping system operations  
PPMPUL330 Co-ordinate and implement pulping plant shutdowns

#### Primary resource operations

PPMRES340 Troubleshoot and rectify primary resource operations

#### Steam generation

PPMSTM320 Manage steam boiler startup  
PPMSTM330 Shut down and bank steam boiler

#### Stock preparations operations

PPMSPR320 Prepare and start up stock preparation system for production  
PPMSPR330 Co-ordinate and implement stock preparation system shutdown

#### Waste paper operations

PPMWPO320 Prepare and start up waste paper operations  
PPMWPO330 Co-ordinate and implement waste paper shutdown

#### **Water services**

PPMWAS340 Troubleshoot and rectify water systems

### **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**

PPMREL210 Contribute to effective working relationships  
BSBFLM305 Support operational plan  
BSBFLM309 Support continuous improvement systems and processes  
BSBFLM311 Support a workplace learning environment  
BSBRES401 Analyse and present research information  
BSBRSK401 Identify risk and apply risk management processes  
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

#### **Computer / process control equipment**

PPMCSK310 Operate process control equipment  
MSAPMOPS212A Use organisation computers or data systems

#### **Chemical preparation**

PPMCPR210 Prepare chemical products

#### **Chemical recovery operations**

PPMREC210 Monitor and control chemical recovery operations  
PPMREC440 Troubleshoot and rectify chemical recovery operations

#### **Communication**

BSBCMM201 Communicate in the workplace

#### **Electrical power generation**

PPMEPG210 Monitor and control power generation system

#### **Emergency procedures / safety**

BSBWHS405 Contribute to implementing and maintaining WHS management systems  
BSBWHS404 Contribute to WHS hazard identification, risk assessment and risk control  
BSBWHS401 Implement and monitor WHS policies, procedures and programs to meet legislative requirements  
MSAPMOHS110A Follow emergency response procedures  
PMAOHS211B Prepare equipment for emergency response

### **Electrical power generation**

PPMEPG440 Troubleshoot and rectify power generation system

### **Environmental monitoring**

PPMENV210 Identify and monitor environmental discharges/emissions  
PPMENV320 Monitor and control environmental hazards

### **First aid**

HLTAID003 Provide first aid  
MSAPMOHS220A Provide initial first aid response

### **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

### **Laboratory operations**

MSL904001 Perform standard calibration  
MSL973001 Perform basic tests

### **Numeracy**

PPMNUM210 Estimate and calculate basic data  
MSACMT452A Apply statistics to processes in manufacturing

### **Planning and organising**

MEM14005A Plan a complete activity  
MEM30020A Develop and manage a plan for a simple manufacturing related project  
BSBADM405 Organise meetings

**Preventative maintenance / operator maintainer**

PPMPRM210 Undertake operator level preventative maintenance  
PPMPRM220 Perform lubrication  
MEM09002B Interpret technical drawing  
MEM12023A Perform engineering measurements  
MEM18001C Use hand tools  
MEM18002B Use power tools/hand held operations  
MEM18055B Dismantle, replace and assemble engineering components  
MSS402081A Contribute to the application of a proactive maintenance strategy

**Primary resource operations**

PPMRES210 Prepare and operate the woodchip production system

**Production support**

PPMPRS320 Solve systemic problems in the workplace  
PPMPRV210 Operate ancillary equipment  
PPMPRV320 Co-ordinate and direct clothing changes  
MEM18011C Shut down and isolate machines/equipment  
MSS403002A Ensure process improvements are sustained  
MSS402020A Apply quick changeover procedures  
MSS402040A Apply 5S procedures  
MSS402050A Monitor process capability  
MSACMT432A Analyse manual handling processes  
MSS403040A Lead 5S in a manufacturing environment  
MSS403051A Mistake proof an operational process

**Pulping operations**

PPMPUL210 Monitor and control pulping operations  
PPMPUL440 Troubleshoot and rectify pulping processes

**Quality**

PPMQAS210 Apply basic quality practices  
PPMQAS420 Co-ordinate in-process quality assurance

**Security**

CPPSEC2011B Control access to and exit from premises  
CPPSEC2015A Patrol premises  
CPPSEC3007A Maintain security of environment

**Steam generation**

PPMSTM210 Monitor and control boiler operation  
PPMSTM440 Troubleshoot and rectify boiler plant systems

**Stock preparations operations**

PPMSPR210 Monitor and control stock preparation systems  
 PPMSPR440 Troubleshoot and rectify stock preparation systems

**Sustainability**

MSACMT270A Use sustainable energy practices  
 MSACMT271A Use sustainable environmental practices  
 MSS014003A Optimise sustainability of a process or plant area  
 MSAENV472B Implement and monitor environmentally sustainable work practices

**Training and assessment**

TAEASS301 Contribute to assessment  
 TAEDEL301 Provide work skill instruction  
 TAEDEL404 Mentor in the workplace

(The following 3 units count as 1 unit)

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

**Waste paper operations**

PPMWPO210 Monitor and control waste paper operations  
 PPMWPO440 Troubleshoot and rectify waste paper operations

**WHS**

PPMWHS310 Contribute to WHS processes  
 PPMWHS320 Maintain WHS processes

**Qualification Mapping Information**

<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
PPM30116 Certificate III in Pulping Operations	FPP30110 Certificate III 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/>