



Australian Government

Department of Education, Employment and Workplace Relations

FPP40110 Certificate IV in Pulping Operations

Release: 1

FPP40110 Certificate IV in Pulping Operations

Modification History

Not Applicable

Description

Not Applicable

Pathways Information

Not Applicable

Licensing/Regulatory Information

Not Applicable

Entry Requirements

The following units of competency must be achieved either before or while undertaking Certificate IV in Pulping Operations

Please note that imported units from other Training Packages are for the purpose of Industry assessment only and that any licensing requirements are to be dealt with through specific Licensing Units, undertaken prior to this qualification and in such a manner as to meet state and territory licensing requirements

If **Group A** Elective is chosen:

FPPREC210A Monitor and control chemical recovery operations

FPPREC320A Prepare and start up chemical recovery operations

FPPREC330A Co-ordinate and implement chemical recovery shutdowns

If **Group B** Elective is chosen:

FPPSTM210A Monitor and control boiler operation

FPPSTM320A Manage steam boiler startup

FPPSTM330A Shut down and bank steam boiler

If **Group C** Elective is chosen:

FPPEPG210A Monitor and control power generation system

FPPEPG320A Manage a power generation system startup

FPPEPG330A Co-ordinate power generation system shutdown

If **Group D** Elective is chosen:

FPPSPR210A Monitor and control stock preparation systems

FPPSPR320A Prepare and start up stock preparation system for production

FPPSPR330A Co-ordinate and implement stock preparation system shutdown

If **Group E** Elective is chosen:

FPPPUL210A Monitor and control pulping operations

FPPPUL250A Store and distribute pulped product

FPPPUL320A Prepare and start up pulping system operations

If **Group F** Elective is chosen:

FPPWPO210A Monitor and control waste paper operations

FPPWPO320A Prepare and start up waste paper operations

FPPWPO330A Co-ordinate and implement waste paper shutdown

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the employability skills for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on the packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Communicate effectively with others when collecting, analysing and presenting workplace data and information • Communicate outcomes of problem solutions to team and appropriate personnel • Read complex text
Teamwork	<ul style="list-style-type: none"> • Assemble team for analysis • Lead and manage team processes • Refer problems to appropriate group or department
Problem-solving	<ul style="list-style-type: none"> • Devise appropriate action and solutions to typical presentation and communication problems • Promptly report and/or rectify any identified problems that may arise when collecting, analysing and presenting workplace data and information in accordance with regulatory requirements and workplace procedures • Rectify problems within level of responsibility
Initiative and enterprise	<ul style="list-style-type: none"> • Identify causes and effects of faults and corrective action on associated processes • Implement contingency plans if required • Modify activities depending on differing operational contingencies, risk situations and environments
Planning and organising	<ul style="list-style-type: none"> • Develop action plan including contingencies • Identify and organise resources to implement action plan • Organise and present processed information in a logical manner
Self-management	<ul style="list-style-type: none"> • Demonstrate leadership • Interpret and follow operational instructions and prioritise work • Maintain situational awareness in work area

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

Employability Skill	Industry/enterprise requirements for this qualification include:
Learning	<ul style="list-style-type: none"> • Assess available types of problem solving activities/methodologies and determine most appropriate, such as e-learning tools • Assist others to identify and resolve operational problems in the workplace • Assist team members where required
Technology	<ul style="list-style-type: none"> • Identify and use required communication and presentation technology • Solve systemic problems in the pulp and paper industry, typically involving complex integrated equipment and continuous operations • Use electronic and other control systems to control equipment and processes as required
	<ul style="list-style-type: none"> • •

Packaging Rules

Qualification Notes

Total number of units = 10

2 Core units *plus*

8 Elective units

A maximum of 1 elective unit must be selected from a single Industry Specific group
(Groups A-F)

A maximum of 1 elective unit must be selected from *each* of the following Support Electives groups

- Quality
- Numeracy
- OHS
- Sustainability

Remaining electives may be selected from the Supplementary Electives list and can include up to 2 units from an endorsed Training Package or State/Territory accredited course. Elective units must be relevant to the work outcome sought, industry requirements and the qualification level. Units selected must not duplicate each other in content.

CORE UNITS

Unit Code Unit Name

FPPPRS320A Solve systemic problems in the workplace

TLIE607D Collect, analyse and present workplace data and information

ELECTIVE UNITS INDUSTRY SPECIFIC

Unit Code Unit Name

Group A: Chemical recovery operations

(co-located in Certificate IV Papermaking Operations)

FPPREC440A Troubleshoot and rectify chemical recovery operations

Group B: Steam generation

(co-located in Certificate IV Papermaking Operations)

FPPSTM440A Troubleshoot and rectify boiler plant systems

Group C: Electrical power generation

(co-located in Certificate IV Papermaking Operations)

FPPEPG440A Troubleshoot and rectify power generation system

Group D: Stock preparations operations

FPPSPR440A Troubleshoot and rectify stock preparation systems

ELECTIVE UNITS INDUSTRY SPECIFIC

Unit Code Unit Name

Group E: Pulping operations

FPPPUL440A Troubleshoot and rectify pulping processes

Group F: Waste paper operations

FPPWPO440A Troubleshoot and rectify waste paper operations

Group G: SUPPLEMENTARY ELECTIVES

Unit Code Unit Name

Computers / process control equipment

FPPCSK310A Operate process control equipment

Emergency procedures / safety

FPPOHS410A Identify, assess and control OHS risk in own work

BSBOHS401B Contribute to the implementation of a systematic approach to managing OHS

BSBOHS402B Contribute to the implementation of the OHS consultation process

BSBOHS403B Identify hazards and assess OHS risks

BSBOHS404B Contribute to the implementation of strategies to control OHS risk

BSBOHS405B Contribute to the implementation of emergency procedures

BSBOHS406B Use equipment to conduct workplace monitoring

BSBOHS407A Monitor a safe workplace

BSBOHS408A Assist with compliance with OHS and other relevant laws

MSAPMOHS110A Follow emergency response procedures

Environmental monitoring

FPPENV320A Monitor and control environmental hazards

First aid

MSAPMOHS220A Provide initial first aid response

Planning and organising

FPPPLN420A Plan a complex activity

BSBADM405B Organise meetings

MEM14005A Plan a complete activity

MEM30020A Develop and manage a plan for a simple manufacturing related project
 PSPPM402B Manage simple projects

Group G: SUPPLEMENTARY ELECTIVES

Unit Code Unit Name

Water services

FPPWAS340A Troubleshoot and rectify water systems (*unit has pre-requisite*)

Business support

FPPQAS430A Oversee quality assurance process

BSBCMM401A Make a presentation

BSBFLM305C Support operational plan

BSBFLM309C Support continuous improvement systems and processes

BSBFLM311C Support a workplace learning environment

BSBREL401A Establish networks

BSBRSK401A Identify risk and apply risk management processes

BSBWOR401A Establish effective workplace relationships

BSBWOR402A 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

BSBWRK409A Prepare for and participate in dispute resolution

MSAPMSUP382A Provide coaching/mentoring in the workplace

Group G: SUPPLEMENTARY ELECTIVES

Unit Code Unit Name

Training and assessment

TAAASS501B Lead and coordinate assessment systems and services

TAADES502B Design and develop learning resources

TAEASS301A Contribute to assessment

TAEASS502A Develop assessment tools

TAEDEL401A Plan, organise and deliver group-based delivery

TAEDEL402A Plan, organise and facilitate learning in the workplace

TAEDEL404A Mentor in the workplace

TAEDES401A Design and develop learning programs

TAEDES402A Use training packages and accredited courses to meet client needs

TAETAS501A Undertake organisational training needs analysis

TAEASS401A Plan assessment activities and processes

TAEASS402A Assess competence

TAEASS403A Participate in assessment validation

Laboratory operations

MSL904001A Perform standard calibration

Production support

FPPPRV320A Co-ordinate and direct clothing changes

MEM18011C Shut down and isolate machines/equipment

MSACMC411A Lead a competitive manufacturing team

MSACMS400A Implement a competitive manufacturing system

MSACMS401A Ensure process improvements are sustained

MSACMT220A	Apply quick changeover procedures
MSACMT240A	Apply 5S procedures in a manufacturing environment
MSACMT250A	Monitor process capability
MSACMT432A	Analyse manual handling processes
MSACMT440A	Lead 5S in a manufacturing environment
MSACMT451A	Mistake proof a production process

Turbine operations

UEPOPS341A Shut down a steam turbine

UEPOPS411A Run up a steam turbine

Group H: SUPPORT ELECTIVES**Unit Code Unit Name****Numeracy**

FPPNUM320A	Measure and calculate routine workplace data
FPPNUM430A	Calculate and analyse production and financial performance
MSACMT452A	Apply statistics to processes in manufacturing

OHS

FPPOHS320A Maintain OHS processes

FPPOHS420A Manage OHS processes

Quality

FPPQAS420A Co-ordinate in-process quality assurance

MSACMT251A Apply quality standards

MSAPMSUP400A Develop and monitor quality systems

Sustainability

FPPSUS210A Apply sustainable work practices/policies

MSACMT270A Use sustainable energy practices

MSACMT271A Use sustainable environmental practices

MSAENV472B Implement and monitor environmentally sustainable work practices