



Australian Government

Department of Education, Employment and Workplace Relations

FPPPRV210A Operate ancillary equipment

Release: 1

FPPPRV210A Operate ancillary equipment

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit describes the outcomes required to operate ancillary equipment which supports production operations in the pulp and paper industry. It applies to stand-alone items of equipment which require separate operation, knowledge and skills to the operation of the main production unit or machine. The ancillary equipment may be remote from the main production unit or machine, in close proximity or attached (not a part of the main operating production unit or machine)

This unit does not apply where the relevant ancillary equipment is minor and is integral to the main unit or machine process

General legislation, regulatory, licensing and certification requirements applicable to this unit are detailed in the range statement

Application of the Unit

Application of the unit

This unit applies to operators who prepare, start up, monitor and shut down ancillary equipment in the pulp and paper industry. This work typically involves complex and non-complex equipment which may either operate continuously or operates intermittently

This unit generally applies to those who:

- prepare and start up ancillary equipment
- monitor and control ancillary equipment, and
- shut down ancillary equipment

to meet safety, quality and productivity requirements

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Not Applicable

Employability Skills Information

Employability skills This unit contains employability skills

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare and start up ancillary equipment	1.1. Ancillary equipment is prepared and started up within Occupational Health and Safety (OHS) regulations, environmental and safe working requirements/practices, Standard Operating Procedures (SOP), and housekeeping requirements 1.2. Isolations are removed as required 1.3. Ancillary equipment is prepared for startup 1.4. Ancillary equipment is started up as required
2. Monitor and control ancillary equipment	2.1. Ancillary equipment is monitored and controlled within OHS regulations, environmental and safe working requirements/practices, SOP, and housekeeping requirements 2.2. Ancillary equipment is monitored to ensure operations are within parameters as per site requirement 2.3. Variations from operating parameters are identified, rectified and/or reported 2.4. Operator level preventative maintenance is undertaken as required 2.5. Changes to ancillary equipment operations are communicated to relevant personnel as required
3. Shut down ancillary equipment	3.1. Ancillary equipment is shut down within OHS regulations, environmental and safe working requirements/practices, SOP, and housekeeping requirements 3.2. Work area instructions or maintenance schedules are used to co-ordinate a planned shutdown 3.3. Cause of unplanned shutdown is identified and effects are assessed to determine impact on operations and/or facility 3.4. Unplanned shutdown is responded to and rectified 3.5. Unplanned shutdown is communicated as required 3.6. Planned shutdown is implemented 3.7. Isolation requirements are implemented as required

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the skills and knowledge required for this unit.

Required skills

- Uses required forms of communication in operating ancillary equipment
- Reads and interprets required documentation, procedures and reports
- Interprets instruments, gauges and data recording equipment
- Accesses, navigates and interprets computer-based information
- Uses electronic control systems to control equipment and processes as required
- Identifies and actions problems within level of responsibility
- Identifies and monitors process control points
- Plans and organises startup and shutdown
- Maintains situational awareness in the work area
- Analyses and uses sensory information to adjust process to maintain and co-ordinate safety, quality and productivity
- Uses electronic and other control systems to control equipment and processes as required

Required knowledge

- Procedures, regulations and legislative requirements relevant to operating ancillary equipment including OHS, environmental including relevant sustainability requirements/practices, SOP, isolation procedures, safe working requirements, risks and hazard identification and housekeeping
- Relevant forms of communication
- Problem-solving techniques consistent with level of responsibility
- Working knowledge of ancillary equipment, processes, layout and associated services sufficient to carry out start up, monitoring and shut down activities within level of responsibility
- Required responses to all unplanned shutdowns (e.g. power outage, mechanical breakdown, blockages, jamming, air supply, control system failure) to ensure safety of ancillary equipment
- Quality requirements
- Sensory information that indicates a deviation from standard operating parameters
- Sufficient knowledge of electronic and other control systems, operation and application to make appropriate adjustments to operate ancillary equipment, within level of responsibility

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

Critical aspects for assessment and evidence required to demonstrate competency in this unit

Evidence should be relevant to the work. It should satisfy the requirements of the elements and performance criteria and include consideration of:

- the required knowledge and skills tailored to the needs of the specific workplace
- applicable OHS regulations, environmental and safe working requirements/practices, SOP and housekeeping requirements
- applicable aspects of the range statement
- practical workplace demonstration of skills in operating ancillary equipment

Context of and specific resources for assessment

A workplace assessment must be used to assess:

- the application of required knowledge on the job
- the application of skills on the job, over time and under a range of typical conditions that may be experienced in operating ancillary equipment

Access to the full range of equipment involved in integrated continuous manufacturing in a pulp or paper mill is required

Method of assessment

A combination of assessment methods should be used. The following examples are appropriate for this unit:

- observation of applied skills and knowledge on the job
- workplace demonstrations via a mock-up or simulation that replicate part/s of the job
- answers to written or verbal questions about specific skills and knowledge
- third-party reports from relevant and skilled personnel
- written evidence e.g. log sheet entries, checklist entries, test results

Assessment processes and techniques must be culturally appropriate and in keeping with the language and literacy capacity of the learner and the work being

EVIDENCE GUIDE

performed. This includes conducting an assessment in a manner that allows thoughts to be conveyed verbally so that the learner can both understand and be understood by the assessor (e.g. use plain English and terminology used on the job)

A holistic assessment with other units relevant to the pulp and paper industry, mill and job role is recommended

Additional information on approaches to assessment for the pulp and paper industry is provided in the Assessment Guidelines for this Training Package

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Systems and functions may include:

- air compressor
- air dryer
- air make-up units
- monitoring systems
- air handling units
- building ventilation systems
- line dust collection systems
- dust scrubber systems
- heating, ventilating and air conditioning (HVAC) systems
- core machine
- lubrication

Materials and supplies may include:

- chemicals
- compressed air
- water
- electricity
- gas

RANGE STATEMENT

Equipment may include:	• steam • additives • ropes and belts • fully automated, semi-automated, manually operated ancillary equipment appropriate to site process • fans • burners • hand and power tools • computer systems • electronic screens and alarms • process control systems • computer systems • electronic screens and alarms • process control systems
Electronic control systems may include:	• Digital Control System (DCS) • touch screens • robotics
Hazards and risks may include:	• gas leaks • fires • nip points • compressed air • hot surfaces • electrical • entanglement • slip hazards/falls • energy • pressures • chemicals • fumes • confined spaces • dust
Legislation, regulatory, licensing and certification requirements may include:	• OHS and environmental requirements (local, state and commonwealth)
Documentation, procedures and reports may include:	• SOP • site policy and procedures • environmental sustainability requirements/practices • plant manufacturing operating manuals

RANGE STATEMENT

- confined space requirements
 - vendor documentation
 - reference manual
 - product specifications
 - quality procedures
 - oil or chemical spills and disposal guidelines
 - plant isolation documentation
 - housekeeping
 - safe work documentation e.g. plant clearance, job safety analysis, permit systems
 - maintenance logs
 - job sheets
 - operating log
 - production instructions
 - Materials Safety Data Sheets (MSDS)
 - process and instrument diagrams
- Maintenance may include:
- operator level maintenance as per site agreements
 - operator maintenance schedules
 - maintenance systems
 - maintenance suppliers
 - pro-active maintenance strategies e.g. Total Productive Maintenance (TPM), Reliability Centred Maintenance (RCM)
- Actions may include:
- monitoring
 - process adjustments
 - reporting to authorised person
 - rectifying problem within level of responsibility
- Communications may include
- interaction with:
- team members
 - production/service co-ordinators
 - internal/external customers and suppliers
 - maintenance services
 - operational management
 - statutory authorities
- Situational awareness may include
- awareness of:
- traffic
 - pedestrians

RANGE STATEMENT

- location of equipment
 - product
 - hazards
 - obstructions
 - unexpected movement
- Sensory information may include:
- visual
 - sound
 - feel
 - touch
 - smell
 - vibration
 - temperature
- Forms of communications may include:
- written e.g. log books, emails, incident and other reports, run sheets, data entry
 - reading and interpreting documentation e.g. standard operating procedures, manuals, checklists, drawings
 - verbal e.g. radio skills, telephone, face to face, handover
 - non-verbal e.g. hand signals, alarms, observations
 - signage e.g. safety, access

Unit Sector(s)

Not Applicable