



**Australian Government**

# **Assessment Requirements for PPMPUL320 Prepare and start up pulping system operations**

**Release: 2**

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### 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:

- identified production requirements and managed pulping system startup at least twice in line with required enterprise intervals
- completed pre-startup safety checks for each of the above system startups
- recorded system startup processes and operational and product quality data in the operating log.

### 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 licensing requirements where relevant
- system layout for pulping plant

- purpose, features and operation of pulping plant, operating parameters and allowable variations
- operation and application of electronic and other control systems
- process stages and key control points for starting up pulping systems:
  - pre-startup safety checks
  - process control points in preparation stage
  - process control points in monitoring startup stage
- purpose of, and processes for sampling and testing product quality, plant and system operations and diagnosing deviations from operational specifications
- quality requirements for different types of pulped product including:
  - bleached or unbleached pulp
  - fluff pulp
  - crumbed pulp
  - baled, rolled or sheet pulp
  - slushed pulp
- effect of post start-up process adjustments on product quality and productivity
- causes and effects of process variation between upstream and downstream customers
- standard operating procedures (SOP) specific to starting up pulping systems
- communication reporting lines
- recording and reporting startup processes, operational and product quality data.

## 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 pulping operations in a pulp or paper mill
  - fully automated, semi-automated, manually operated plant and equipment appropriate to pulping systems and related consumables
  - pulping systems including one or more of the following - power and steam systems, hydraulic and electrical systems or pneumatic systems
  - PPE suitable for starting up pulping systems
  - consumable materials including either pulp or chemicals
- specifications:
  - template operating log for recording startup processes, operational and product quality data
  - organisational workplace health and safety and SOP for starting up pulping systems

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>