



Australian Government

**Assessment Requirements for PPMREC201
Monitor and control chemical recovery
operations**

Release: 1

Assessment Requirements for PPMREC201 Monitor and control chemical recovery operations

Modification History

Release	Comments
Release 1	This version released with PPM Pulp and Paper Manufacturing Training Package Version 3.0.

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 undertaken routine monitoring and control of chemical recovery operations for at least two operational intervals, including for each interval:

- completed checks on chemical processes and plant operations and responded appropriately to variations in processes and plant
- completed routine maintenance on equipment
- completed accurate records for process and plant faults and hazardous conditions.

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:

- workplace procedures relevant to workplace health and safety for chemical recovery operations:
 - use of personal protective equipment
 - 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
- permits and licensing requirements for facility hazards and high risk plant and equipment relevant to chemical recovery operations
- workplace environmental sustainability requirements and practices for chemical operations, including workplace biotechnological applications and processes and biomass-derived products
- chemical recovery plant, processes, layout and associated services, including:
 - operating parameters

- variation
- associated adjustments, within level of responsibility
- operation and application of electronic and other control systems to control chemical recovery operations
- purpose and processes for, sampling and testing plant and system operations
- methods used to monitor chemical recovery operations against specified system parameters
- effect of process adjustments on system processes and productivity during monitoring and operation
- chemicals and other supplies used for chemical recovery operations
- standard operating procedures specific to chemical recovery operations
- procedures for communicating, recording and reporting for process and plant faults and hazardous conditions.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a pulp and/or paper manufacturing facility or an environment that accurately reflects performance in a workplace
- resources, equipment and materials:
 - chemical recovery system
 - maintenance tools and equipment and consumables for chemical recovery plant
 - testing and diagnostic equipment
 - electronic control systems, including digital control system, touch screens or robotics required for chemical recovery operations
 - personal protective equipment for operating chemical recovery system
 - proforma or recording system for recording system operation and production outcomes
- specifications:
 - workplace and standard operating procedures relating to chemical recovery operations, including health and safety, risks and hazards identification, plant isolation, quality, housekeeping and environmental requirements
 - maintenance schedules for chemical recovery plant.

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.gov.au/Pages/TrainingDocs.aspx?q=12998f8d-d0ac-40bc-a69e-72a600d4fd93>