



Australian Government

Assessment Requirements for PPMREC401 Troubleshoot and rectify chemical recovery operations

Release: 1

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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 carried out troubleshooting and rectification activities for chemical recovery operations on at least two occasions according to operational requirements, including for each occasion:

- selected and used appropriate troubleshooting methods to correct chemical processes, plant operations or quality faults
- diagnosed causes and sources of faults on processes, plant and associated processes
- identified and rectified faults in processes and plant
- communicated effectively and worked safely with others when undertaking troubleshooting and rectification activities
- completed accurate detailed records for process and product faults, diagnostic and corrective action processes on completion of fault rectification activity.

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 and legislative health and safety requirements and risk measures relevant to operating, troubleshooting and rectifying chemical recovery operations, including emergency procedures, handling chemical and hazardous substances, high risk load shifting, licensing requirements, plant clearance and permit systems
- environmental requirements relevant to chemical recovery operations, including disposal procedures
- purpose, standards and procedures used for troubleshooting chemical recovery operations, including routine physical inspections and sampling and testing for quality checks
- manufacturer specifications and operating procedures for chemical recovery plant and equipment, including shutdown and isolation procedures
- chemical recovery plant, processes, layout and associated services, including:

- plant layout
- process and equipment operation
- causes and effects of adjustments made to chemical recovery plant and processes
- relationships between chemical recovery system, processes and associated services
- use of electronic and other control systems, operation and application to make appropriate adjustments that control the chemical recovery operations.

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 represents workplace conditions
- resources, equipment and materials:
 - tools, equipment and materials used to troubleshoot and rectify chemical recovery systems
 - personal protective equipment required when working with chemical recovery systems
 - pumps and transfer equipment
 - mechanical, hydraulic and electrical systems
 - process monitoring and management equipment
- specifications:
 - workplace and standard operating procedures relating to troubleshooting and rectifying chemical recovery systems, including health and safety, environmental, risks and hazards identification, plant isolation and quality requirements
 - manufacturer specifications and operating procedures.
- relationships:
 - relevant personnel for the purposes of communicating information.

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>