



**Australian Government**

# **Assessment Requirements for PPMREC320 Prepare and start up chemical recovery operations**

**Release: 2**

## Assessment Requirements for PPMREC320 Prepare and start up chemical recovery operations

### 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 prepared and started up chemical recovery processes, at least twice in line with required enterprise intervals, including:

- conducted checks to ensure availability of incoming supplies
- removed isolations to activate startup
- conducted pre-startup checks of plant and equipment including instrumentation
- conducted checks to ensure readiness and availability of facilities to receive process product and/or by-products
- determined chemical recovery requirements (temperatures, oxidation, combustion and evaporation rates) for operation
- input operational settings (set points) in preparation for startup in accordance with standard operating procedures (SOP)
- activated and confirmed operation of chemical recovery system according to SOP
- made process control adjustments to stabilise production and quality
- taken samples of product, conducted tests, interpreted and recorded results to regulate product consistency and quality
- during the startup process, demonstrated safe use for different types of chemicals
- used electronic and other control systems to control equipment and processes.

### 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
- relationships within the chemical recovery area members and with the area's suppliers and customers
- cause and effects of operational equipment faults
- working knowledge of chemical recovery operations, processes, layout and associated services sufficient to carry out startup activities
- control points of the preparation for startup procedure
- control points of the startup procedure
- purpose of the process controls and how the changes affect the operation's variables
- purpose of each of the steps in the preparation of the chemical recovery system for production
- sampling and testing process for plant and system operations, and process monitoring - purpose, standards and procedures as per site agreements.

## 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 chemicals and equipment required to start up chemical recovery operations in a pulp or paper manufacturing facility
  - PPE required for operating chemical recovery systems
  - pumps and transfer equipment
  - mechanical, hydraulic and electrical systems
  - process monitoring and management equipment.

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>