



Australian Government

PPMREC320 Prepare and start up chemical recovery operations

Release: 2

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.

Application

This unit of competency describes the skills and knowledge required to prepare and start up chemical recovery operations in a pulp or paper manufacturing facility. This work typically involves complex integrated equipment and continuous operations.

The unit applies to production operators and technicians who establish the production and quality processes after preparing and starting up chemical recovery systems. This typically involves working in a facility with complex integrated equipment and continuous operations.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Chemical recovery operations (REC)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Determine production requirements for chemical recovery	1.1 Determine processing rates for production and communicate to relevant personnel 1.2 Determine availability of incoming supplies to meet production

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	requirements 1.3 Confirm readiness and availability of facilities to receive process product and/or by-products 1.4 Select, fit, use and maintain personal protective equipment according to job requirements and task to be undertaken
2. Inspect and prepare systems for startup	2.1 Complete pre-startup checks in line with work health and safety regulations, environmental and safe working requirements or practices 2.2 Identify and deal with hazards according to safe workplace procedures 2.3 Confirm operational settings against specification requirements 2.4 Set delivery systems for operation according to standard operating procedures 2.5 Check monitoring devices and systems and confirm as operational 2.6 Rectify faults that have been identified 2.7 Confirm production ready status with relevant personnel
3. Start up operations	3.1 Activate systems and confirm as operational 3.2 Coordinate equipment startups for production 3.3 Communicate process operation to relevant personnel 3.4 Record production startup details according to organisational procedures
4. Establish and stabilise the production and quality processes	4.1 Monitor and adjust chemical recovery systems to rectify variations from specifications 4.2 Take samples and action appropriately 4.3 Verify product tests as within specification according to organisational procedures 4.4 Record system operation, production and quality data according to organisational procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret chemical recovery requirements for operation (temperatures, oxidation, combustion and evaporation rates)
Numeracy	- Interpret and verify test results - Interpret instruments, gauges and data recording equipment
Interact with others	Interpret non-verbal instructions including hand signals, signage and alarms

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMREC320 Prepare and start up chemical recovery operations Release 2	PPMREC320 Prepare and start up chemical recovery operations Release 1	Performance criteria added, minor changes to knowledge evidence	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=12998f8d-d0ac-40bc-a69e-72a600d4fd93>