



Australian Government

PPMREC440 Troubleshoot and rectify chemical recovery operations

Release: 2

PPMREC440 Troubleshoot and rectify 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 analyse, rectify and report on chemical recovery operations, in the pulp and paper industry.

The unit applies to senior operators and production specialists who troubleshoot and rectify chemical recovery operations, in the pulp and paper industry. 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. Identify and analyse causes of faults	1.1 Undertake tasks according to productivity requirements, environmental sustainability procedures, workplace health and safety and standard operating procedures including the use of appropriate

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	personal protective equipment (PPE), risks and hazards identification and housekeeping requirements 1.2 Interpret warning devices to determine fault type and location 1.3 Identify by observation, systematic sampling and testing, quality faults and variations 1.4 Take samples for tests to detect quality faults and variations 1.5 Interpret sampling and testing results to identify variations from specifications or schedule 1.6 Identify, locate and analyse causes and sources of process problems or equipment faults using correct PPE 1.7 Access and interpret relevant sources of information to assist analysis
2. Rectify process problems and equipment faults	2.1 Conduct operator level on-line adjustments 2.2 Implement isolation procedures and plant shut down prior to fault rectification 2.3 Identify hazardous conditions, take appropriate action and communicate the conditions to relevant personnel 2.4 Isolate, by-pass, repair or replace faulty equipment according to equipment specifications 2.5 Return plant and equipment to normal operation 2.6 Communicate rectification to relevant personnel
3. Rectify product quality faults	3.1 Conduct further tests according to organisational procedures 3.2 Rectify faults and causes or make recommendations for further action 3.3 Manage out-of-specification product
4. Record and report system performance and product quality data	4.1 Record variations from process specifications 4.2 Record actions undertaken to troubleshoot and rectify faults 4.3 Document details of hazardous conditions or situations, according to organisational procedures 4.4 Communicate relevant information to appropriate personnel

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	Read and interpret specifications, procedure manuals and test results
Writing	Record and report test results and rectifications accurately and legibly, using correct technical vocabulary
Oral communication	Select and use appropriate spoken communication strategies with work colleagues and other personnel on site during operations
Numeracy	- Interpret instruments, gauges and data recording equipment - Use measuring equipment, with chemicals, as required
Navigate the world of work	- Access, navigate and enter computer based information - Use electronic and other control systems to control equipment and processes and make appropriate adjustments for troubleshooting processes
Get the work done	- Maintain situational awareness in the work area - Analyse and use sensory information to adjust process to maintain and coordinate safety, quality and productivity

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMREC440 Troubleshoot and rectify chemical recovery operations Release 2	PPMREC440 Troubleshoot and rectify chemical recovery operations Release 1	Minor changes to performance criteria and 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>