



Australian Government

PPMREC401 Troubleshoot and rectify chemical recovery operations

Release: 1

PPMREC401 Troubleshoot and rectify chemical recovery operations

Modification History

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

Application

This unit of competency describes the skills and knowledge required to identify, diagnose, rectify and report on process, equipment and quality faults in the chemical recovery operations of a pulp and/or paper manufacturing facility.

The unit applies to senior operators and production specialists who work in the pulp and paper manufacturing industry and troubleshoot and rectify complex faults that occur in continuous chemical recovery.

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 process and quality faults	1.1 Prepare for rectification chemical recovery operations according to productivity requirements and workplace health and safety and environmental procedures 1.2 Identify safety hazards and determine risk control measures with relevant personnel 1.3 Interpret warning devices and make observations on plant and

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	processes to determine fault type and location 1.4 Conduct systemic sampling and testing, and interpret results to detect quality faults and variations from specifications 1.5 Access and use relevant sources of information, and check for recent work undertaken to assist analysis 1.6 Analyse causes and sources of process problems or equipment faults and impact on productivity requirements 1.7 Report fault and proposed corrective actions to relevant personnel
2. Rectify process problems and equipment faults	2.1 Conduct operator level on-line adjustments 2.2 Shut down and isolate plant according to workplace health and safety and operating procedures 2.3 Isolate, by-pass and repair or replace faulty equipment according to equipment specifications 2.4 Return plant and equipment to normal operations 2.5 Verify and communicate rectification to relevant personnel
3. Rectify product quality faults	3.1 Conduct further testing and interpret results to determine required operational adjustments 3.2 Rectify faults and causes or recommend further action according to operating procedures 3.3 Manage out-of-specification product
4. Record and report troubleshooting and rectification activities	4.1 Document system and product faults and details of hazardous conditions or situations according to workplace requirements 4.2 Record and report diagnostic and corrective action processes to relevant 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
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Skill	Description
Reading	Interpret information from a range of documentation
Writing	Complete accurate detailed records and reports for system and product faults, diagnostic and corrective action processes using the required format
Oral communication	- Provide comprehensive information about problems with equipment and products using clear language and industry terminology - Provide clear, unambiguous information about return to normal operations to system operators and other personnel
Numeracy	- Interpret numerical settings on instruments, gauges and data recording equipment - Interpret system and product data - Record detailed numerical data for system and product test results - Use measuring equipment to measure and inform calculations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMREC401 Troubleshoot and rectify chemical recovery operations	PPMREC440 Troubleshoot and rectify chemical recovery operations	Changes to elements, performance criteria, foundation skills, performance evidence and knowledge evidence Assessment conditions updated	Not equivalent

Links

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