



Australian Government

PPMRFO301 Perform recovered fibre operations

Release: 1

PPMRFO301 Perform recovered fibre 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 prepare for, start up, stabilise and shut down systems for recovered fibre operations.

This unit applies to production operators who perform recovered fibre operations in a pulp and/or paper manufacturing facility and respond to contingencies that occur 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

Recovered Fibre Operations (RFO)

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. Prepare for recovered fibre operations	1.1 Identify production requirements and specifications to plan system operations and processes 1.2 Determine supply type, chemical and water system requirements, supply rate and conveyer loading procedure 1.3 Identify workplace health and safety hazards, assess risks and determine control measures 1.4 Identify process control points according to productions

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	specifications 1.5 Confirm availability of supplies to meet production requirements 1.6 Confirm readiness and availability of facilities to receive process product and by-products 1.7 Select, fit and use personal protective equipment according to job requirements and task to be undertaken 1.8 Communicate production requirements and specifications, workplace health and safety and environmental requirements and operating procedures to relevant personnel
2. Inspect and prepare systems for start-up	2.1 Inspect recovered and electronic control systems for warning signals or alarms 2.2 Remove isolations and complete pre-start check-ups according to workplace health and safety and operating procedures 2.3 Confirm operational settings with specification requirements 2.4 Confirm production status with relevant personnel 2.5 Check monitoring devices and systems are operational 2.6 Identify and rectify common faults or refer complex faults to specialist technician
3. Start up and stabilise operations production and quality processes	3.1 Coordinate, communicate and implement start-up procedures for recovered fibre operations 3.2 Confirm system functions by monitoring plant, equipment and control system and display monitors 3.3 Take samples to monitor quality as required 3.4 Monitor and adjust systems to rectify variations from specifications
4. Implement and monitor system shutdown	4.1 Coordinate and communicate planned shutdown of recovered fibre operations to relevant personnel 4.2 Shut down plant or system according to productivity, workplace health and safety and environmental requirements and operating procedures 4.3 Monitor functionality of equipment during shutdown 4.4 Implement isolation requirements according to operating and housekeeping procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
5. Respond to unplanned shutdown	5.1 Respond to unplanned faults and stoppages according to operating, emergency and workplace health and safety procedures 5.2 Complete shutdown and isolation according to operating procedures 5.3 Locate and rectify cause of unplanned shutdown within area of responsibility 5.4 Communicate shutdown information to relevant personnel
6. Record and report production information	6.1 Record production and quality data and system operation information according to workplace requirements 6.2 Report problems or variations with production, quality and system 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
Reading	Interpret information from workplace procedures and documentation
Writing	Complete records accurately and legibly using clear language and industry terminology
Oral communication	Provide information about start-up and shutdown operations, problems or variations with production, quality and system using clear language and industry terminology
Numeracy	- Interpret numerical settings on instruments, gauges and data recording equipment - Record numerical data for system and operational performance

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMRFO301 Perform recovered fibre operations	PPMWPO320 Prepare and start up waste paper operations	Merges two units Changes to unit title, unit sector code, elements, performance criteria, foundation skills, performance evidence and knowledge evidence Assessment conditions updated	Not equivalent
PPMRFO301 Perform recovered fibre operations	PPMWPO330 Coordinate and implement waste paper shutdown	Merges two units Changes to unit title, unit sector code, 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>

Assessment Requirements for PPMRFO301 Perform recovered fibre operations

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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 planned for, coordinated, and safely started up, operated and shut down recovered fibre operations for at least two operational intervals, including for each operational interval:

- determined and monitored process control points
- monitored, assessed causes and adjusted systems to rectify variations from specifications and unplanned shutdown
- used and interpreted electronic control systems during operations
- applied safe use and handling of chemicals and materials
- recorded and reported accurate operational data
- communicated effectively and worked safely with others when undertaking recovered fibre operations.

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 relevant to performing recovered fibre operations, including emergency procedures, handling chemical and hazardous substances, high risk load shifting, licensing requirements, plant clearance and permit systems
- relevant workplace and legislative environmental sustainability requirements and practices for recovered fibre operations, including workplace biotechnological applications and processes and biomass-derived products
- methods used to identify and manage hazards and risks that apply to recovered fibre operations
- key features of recovered fibre operations, including pulping, screening, dewatering and reject systems

- recovered fibre systems and processes, plant layout and associated services relevant to carrying out start-up, stabilising and shutdown activities
- standard operating procedures specific to recovered fibre operations
- types, uses and characteristics of recovered fibre product, and how they influence paper properties
- quality requirements for different types of recovered fibre stock
- grade types for recovered fibre stock
- purpose and processes for, sampling and testing product quality, plant and system operations
- methods used to monitor recovered fibre system operations against specified system parameters
- effect of process adjustments on product quality and productivity during operation
- application of electronic and other control systems used to operate, control and make appropriate adjustments to recovered fibre operations
- responses used for unplanned shutdowns, including those caused by power outage, mechanical breakdown, blockages, jamming, air supply and control system failure
- procedures for communicating, recording and reporting system operation, production outcomes and equipment faults.

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:
 - recovered fibre system and plant
 - maintenance tools and equipment and consumables for recovered fibre plant
 - electronic control systems that include digital control system, touch screens or robotics used in recovered fibre systems
 - materials used in recovered fibre processes, including chemicals and additives
 - personal protective equipment required for operating recovered fibre systems
 - proforma or recording system for recording system and production data and information
- specifications:
 - workplace and standard operating procedures relating to recovered fibre operations, including health and safety, risks and hazards identification, plant isolation, quality, housekeeping and environmental requirements
- 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.

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