PPMPUL301 Perform pulping operations

Release: 1

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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 pulping operations.

The unit applies to production operators who perform pulping system operations in a pulp and/or paper manufacturing facility and respond to contingencies that occur with working 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

Pulping Operations (PUL)

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Prepare for pulping systems operations	1.1 Identify production requirements to plan and conduct system operations and processes 1.2 Determine grade type and flow rate for production 1.3 Identify workplace health and safety hazards, assess risks and determine control measures 1.4 Identify process control points according to production specifications

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
	1.5 Determine availability and coordinate process supplies and supply systems to meet production requirements
	1.6 Confirm readiness of downstream facilities to receive pulping process product and by-products
	1.7 Select, fit, use and maintain 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 Conduct system inspections and pre-start-up safety checks according to workplace health and safety and operating procedures
	2.2 Remove isolations and establish and confirm operational settings to required specification
	2.3 Set delivery systems for operation
	2.4 Check monitoring devices and alarm systems and confirm as operational
	2.5 Detect deviations from operational specifications and rectify or report to relevant personnel
3. Start up and stabilise system operations	3.1 Activate and confirm pulping systems as operational
	3.2 Coordinate equipment start-ups for production
	3.3 Confirm production ready status to relevant personnel
	3.4 Monitor operational parameters after start-up to ensure pulping system operations are within specification
	3.5 Sample and test pulp to verify product meets quality specifications
	3.6 Adjust system operational parameters to rectify variation from specifications
4. Coordinate and implement planned shutdown	4.1 Coordinate and communicate planned shutdown of stock preparation operations to relevant personnel
	4.2 Manage plant or system shutdown according to productivity requirements, 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
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
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
PPMPUL301 Perform pulping operations	PPMPUL320 Prepare and start up pulping system operations	Merges two units. Changes to unit title, elements, performance criteria, foundation skills, performance evidence and knowledge evidence Assessment conditions updated	Not equivalent
PPMPUL301 Perform pulping operations	PPMPUL330 Coordinate and implement pulping plant shutdowns	Merges two units Changes to unit title, 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