



Australian Government

PPMPUL320 Prepare and start up pulping system operations

Release: 2

PPMPUL320 Prepare and start up pulping system 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 conduct pre-operational checks, bring pulping system operations online and stabilise system operations after startup.

The unit applies to operators and technicians who prepare and start up pulping system operations in a pulp or paper manufacturing facility. This typically involves working in a facility with complex integrated equipment and continuous operations.

No licensing, legislative, regulatory, 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
<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	1.1 Identify production requirements to plan and conduct system operations and startup processes in accordance with work health and safety and standard operating procedures (SOP)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.2 Determine grade type and flow rate for production and communicate to pulping system operators 1.3 Determine availability and coordinate process supplies and supply systems to meet production requirements 1.4 Confirm readiness of downstream facilities to receive pulping process product and by-products 1.5 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 Conduct system inspections and pre-startup safety checks in line with organisational safety and SOP 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
3. Start up pulping operations	3.1 Activate and confirm pulping systems as operational 3.2 Coordinate equipment startups for production 3.3 Confirm production ready status to relevant personnel
4. Stabilise system operations	4.1 Monitor operational parameters after startup to ensure pulping system operations are within specification 4.2 Sample and test pulp to verify product meets quality specifications 4.3 Adjust system operational parameters to rectify variation from specifications 4.4 Record system startup, operational and product quality data in operating log

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 workplace health and safety and SOP
Writing	Complete accurate basic records for system startup processes and quality checks
Oral communication	Provide clear unambiguous information about production specifications and production ready status to pulping system operators and other personnel
Numeracy	- Interpret basic numerical settings on instruments, gauges and data recording equipment - Monitor, assess and interpret system startup data - Record basic numerical data for system startup and operational performance
Get the work done	Use and assess sensory information (sight, sound, touch, smell, vibration, temperature) to adjust system operational parameters

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMPUL320 Prepare and start up pulping system operations Release 2	PPMPUL320 Prepare and start up pulping system 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>