



Australian Government

PPMWEO330 Coordinate and implement wet end shutdown

Release: 2

PPMWEO330 Coordinate and implement wet end shutdown

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 shut down wet end operations in both planned and unplanned situations and to record and report shutdown data.

This unit applies to production operators and technicians who coordinate and implement wet end shutdowns, in a pulp or paper manufacturing facility. 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

Wet end operations (WEO)

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. Coordinate planned shutdown	1.1 Use maintenance and grade change schedules to plan and coordinate shutdown of wet end operations 1.2 Follow procedures to shut down process supplies 1.3 Initiate appropriate isolations and shut down systems following workplace 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>
	including the use of appropriate personal protective equipment (PPE) 1.4 Inspect system and record and report further maintenance requirements
2. Respond to unplanned shutdown	2.1 Respond to unplanned shutdown immediately 2.2 Initiate appropriate isolations, identify and locate cause of unplanned shutdown following workplace health and safety and SOP including the use of appropriate PPE 2.3 Rectify, isolate and or contain faulty plant to allow continued production 2.4 Follow procedures to shut down process supplies where fault cannot be rectified 2.5 Assess effects of unplanned shutdown to determine impact on operations 2.6 Communicate unplanned shutdown to appropriate personnel
3. Record and report shutdown data	3.1 Record shutdown and corrective action processes 3.2 Report shutdown information 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 detailed familiar workplace health and safety and SOP
Writing	Complete accurate basic records for shutdown processes and maintenance requirements
Numeracy	Interpret basic numerical settings on instruments, gauges and data recording equipment
Get the work done	- Maintain situational awareness in the work area - Use and assess sensory information (sight, sound, touch, smell, vibration, temperature) to respond to system faults

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMWEO330 Coordinate and implement wet end shutdown Release 2	PPMWEO330 Co-ordinate and implement wet end shutdown Release 1	Minor changes to performance criteria and knowledge evidence, grammatical adjustment to title	Equivalent unit

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 PPMWE0330 Coordinate and implement wet end shutdown

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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:

- coordinated planned shutdowns of a wet end system, at least twice in line with required enterprise intervals, and completed these activities after shutdown:
 - inspected the system for maintenance requirements
 - completed basic records for shutdown processes and maintenance requirements
- responded to an unplanned or emergency shutdown and implemented responses appropriate to the cause and completed a basic report on corrective action processes.

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:

- organisational procedures relevant to workplace health and safety with particular emphasis on:
 - use of personal protective equipment (PPE)
 - equipment lock out and isolation procedures
 - handling chemicals and hazardous substances, including spill and disposal guidelines
 - plant clearance requirements
 - emergency procedures and responses
 - job safety analysis documentation and processes
 - plant permit systems and processes
 - high risk load shifting licensing requirements where relevant
 - major hazard facility requirements where relevant
- system layout for wet end plant

- purpose, features and operation of wet end system plant, operating parameters and allowable variations
- operation and application of electronic and other control systems
- key features and purpose of processes involved in shutting down wet end systems including:
 - stock approach systems
 - forming system
 - pressing systems
 - cleaning and screening system
- types, causes and effects of, and required emergency and other responses to, unplanned wet end system shutdowns including:
 - power outage
 - mechanical breakdown
 - blockages
 - jamming
 - air supply
 - control system failure
- methods used to test wet end systems and diagnose faults
- organisational procedures:
 - standard operating procedures specific to wet end shutdown
 - communication reporting lines
 - recording and reporting shutdown processes and maintenance requirements.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - a workplace or a productive environment that accurately reflects performance in a workplace
- resources, equipment and materials:
 - access to the full range of chemicals, equipment, and reporting and documentation procedures involved in coordinating and implementing the shutdown of wet end operations in a pulp or paper manufacturing facility
 - fully automated, semi-automated, manually operated plant and equipment appropriate to the wet end process and related consumables
 - test and diagnostic equipment
 - PPE required for implementing wet end shutdown
- specifications:
 - template documents for recording shutdown information.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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