



Australian Government

PPMDEO210 Monitor and control dry end operations

Release: 2

PPMDEO210 Monitor and control dry end 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 monitor and maintain dry end operations, ensure product quality, complete product grade changes and record and report production data.

This unit applies to production support workers who work in a pulp or paper manufacturing facility in the dry end area. 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

Dry end operations (DEO)

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. Monitor and maintain process	1.1 Check production requirements at start of shift and plan daily work activities following organisational safety and standard operating procedures (SOP) including the use of appropriate personal protective equipment (PPE) 1.2 Confirm operational status by inspection, observation and other

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	information 1.3 Maintain process supplies to meet production requirements 1.4 Monitor process to ensure dry end system operations are within specification 1.5 Identify, rectify or report routine variations from specification 1.6 Monitor and maintain process levels to maintain productivity requirements 1.7 Detect sheet breaks and re-establish sheet according to SOP 1.8 Complete routine preventative maintenance in line with maintenance schedules
2. Control product quality	2.1 Monitor and maintain sheet to quality requirements 2.2 Conduct routine visual observations and assessments on product and system operations 2.3 Sample and test product quality to ensure production requirements are maintained and interpret and record results 2.4 Adjust system operation to rectify out-of-specification product and maintain productivity requirements
3. Complete product grade change	3.1 Plan and determine grade change requirements 3.2 Shut down dry end systems according to standard operating or organisational procedures 3.3 Implement process setups or adjustments to meet new grade requirements 3.4 Coordinate and implement equipment start-ups to meet new grade requirements 3.5 Coordinate and implement grade change on the run to meet product specification
4. Record and report product and process data	4.1 Interpret production data and enter into recording system 4.2 Communicate problems or variations with process, product or equipment 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 workplace health and safety and SOP - Interpret maintenance schedules
Writing	Complete accurate basic records for system operation and production outcomes
Oral communication	Provide clear basic information about problems or variations with process, products and equipment
Numeracy	- Interpret basic numerical settings on instruments, gauges and data recording equipment - Monitor, assess and interpret production data - Record basic numerical data for test results and production outcomes
Get the work done	Adjust process to maximise safety, quality and productivity

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMDEO210 Monitor and control dry end operations Release 2	PPMDEO210 Monitor and control dry end operations Release 1	Minor changes to performance criteria and knowledge evidence	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 PPMDEO210 Monitor and control dry end 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:

- monitored and controlled dry end operations at least twice in line with required enterprise intervals
- completed routine maintenance on equipment
- completed product grade changes
- completed records for system operation, production outcomes and equipment faults for each of the above operational intervals.

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 dry end plant

- purpose, features and operation of dry end system plant, operating parameters and allowable variations
- operation and application of electronic and other control systems
- key features of the full range of processes involved in controlling dry end operations and coordinating grade changes
- purpose of, and processes for sampling and testing product quality, plant and system operations
- quality requirements for different types of dry end product
- methods used to monitor dry end system operations against specified system parameters
- effect of process adjustments on product quality and productivity during monitoring and operation
- grades types for dry end product and applicable terminology
- types of raw materials used to produce dry end product and how they influence paper properties
- standard operating procedures specific to dry end operations
- communication reporting lines
- recording and reporting system operation, production outcomes and equipment faults.

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 tools and equipment involved in integrated continuous manufacturing of dry end operations in a pulp or paper manufacturing facility
 - electronic control systems including digital control system, touch screens or robotics required for dry end operation
 - materials used in dry end processes including chemicals, compressed air, water, electricity, gas, steam, additives, machine clothing and ropes and belts
 - maintenance tools and equipment and consumables for dry end plant
 - PPE suitable for operating dry end plant
- specifications:
 - sample workplace documentation on workplace health and safety procedures, risks and hazards identification procedures, environmental and safe working requirements/practices, SOP and housekeeping requirements
 - maintenance schedules for dry end plant
 - documents and proformas for recording system operation and production outcomes
 - organisational workplace health and safety and SOP.

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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