



Australian Government

PPMRES301 Operate woodchip production system

Release: 1

PPMRES301 Operate woodchip production system

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, operate and monitor systems for woodchip production.

The unit applies to production operators who perform woodchip production operations for a pulp and/or paper manufacturing facility and **respond to contingencies** that occur 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

Primary Resource Operations (RES)

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 woodchip production	1.1 Identify production requirements and specifications to plan system operations and processes 1.2 Identify workplace health and safety hazards, assess risks and determine control measures 1.3 Identify process control points according to production specifications 1.4 Confirm availability of material supplies and cleanliness of

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	transfer equipment 1.5 Select, fit and use personal protective equipment according to job requirements and task to be undertaken 1.6 Communicate production requirements and specifications, workplace health and safety and environmental requirements and operating procedures to relevant personnel
2. Inspect and start up system for production run	2.1 Carry out external inspection of woodchip and control systems 2.2 Remove isolations according to workplace health and safety and operating procedures 2.3 Carry out pre-start-up checks on equipment, conveyors, transfer system and operational monitoring equipment 2.4 Confirm that monitoring devices and alarm systems are operational 2.5 Identify logs to be processed and loaded according to production requirements 2.6 Handle transfer equipment, bins and hoppers to ensure prevention of chip contamination 2.7 Start up system production according to workplace health and safety and operation procedures 2.8 Dock logs according to production requirements
3. Monitor and maintain chipping system operation	3.1 Monitor logs and conveyors to achieve optimum operation flow 3.2 Co-ordinate and maintain supply of logs to ensure production requirements are met 3.3 Inspect and use electronic monitoring of operating equipment to ensure operating conditions are continually maintained 3.4 Identify potential blockage and jamming situations, and take appropriate action to rectify 3.5 Monitor woodchip quality to specifications 3.6 Monitor and maintain woodchip transfer to storage system 3.7 Monitor and maintain storage levels as required
4. Implement and monitor system shutdown	4.1 Coordinate and communicate planned shutdown of chipping system operations to relevant personnel 4.2 Shut down plant or system according to productivity, workplace health and safety and environmental requirements and operating

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	procedures 4.3 Monitor functionality of equipment during shutdown 4.4 Implement isolation requirements according to operating and housekeeping procedures
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
PPMRES301 Operate woodchip production system	PPMRES210 Prepare and operate the woodchip production system	Two elements added Changes to unit title, 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>