



Australian Government

PPMRES210 Prepare and operate the woodchip production system

Release: 1

PPMRES210 Prepare and operate the woodchip production system

Modification History

Release	Comment
1	Replaces equivalent unit FPPRES210A Prepare and operate the woodchip production system, which was first released with FPP10 Pulp and Paper Manufacturing Industry Training Package Version 1.0. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to check, monitor and operate the woodchip production system in the pulp and paper industry.

The unit applies to production operators and technicians who prepare, monitor and operate a woodchip production system in the pulp and paper industry.

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states and territories at the time of publication and may differ according to jurisdiction.

Pre-requisite Unit

Nil

Unit Sector

Pulp and Paper Manufacturing

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.
1. Conduct pre-startup system checks	1.1. Identify work requirements, in accordance with productivity requirements, relevant workplace health and safety (WHS) procedures, risks and hazards identification and environmental workplace procedures. 1.2. Carry out external inspection and pre-operational checks of the

ELEMENTS	PERFORMANCE CRITERIA
	woodchip system. 1.3. Carry out operator level maintenance schedules, as required. 1.4. Remove isolations in accordance with site procedures. 1.5. Confirm that monitoring devices and alarm systems are operational. 1.6. Identify logs to be processed and loaded to ensure correct presentation. 1.7. Carry out pre startup checks on equipment, conveyors, transfer system and operational monitoring equipment. 1.8. Notify relevant personnel of impending startup.
2. Start up system for production run	2.1. Check transfer equipment, bins and hoppers to ensure prevention of chip contamination as required. 2.2. Start up system production according to safe working requirements. 2.3. Dock logs, as required.
3. Monitor and maintain chipping system operation	3.1. Monitor logs and conveyors to achieve optimum flow. 3.2. Co-ordinate and maintain the supply of logs to ensure production requirements are met. 3.3. Use electronic monitoring of operating equipment and visually ensure operating conditions are continually maintained. 3.4. Identify potential blockage and/or jamming situations and take appropriate action to rectify. 3.5. Continually monitor woodchip quality, as required. 3.6. Monitor and maintain woodchip transfer to storage system. 3.7. Monitor and maintain storage levels, as required.
4. Record and document machine performance and production data	4.1. Record and maintain production and quality records, as required 4.2. Enter data into computer system, as required 4.3. Communicate problems or variations to relevant personnel.
5. Conduct a plant shutdown	5.1. Communicate shutdown plan, with relevant personnel. 5.2. Carry out shutdown procedure. 5.3. Identify and rectify cause of uncontrolled shutdown. 5.4. Record shutdown details, as required.

Foundation Skills

This section describes those core and employment skills that are essential to performance and are not explicit in the performance criteria.	
Numeracy skills to:	• interpret instruments, gauges and data recording equipment • use measuring equipment, as required.
Oral communication skills to:	• select and use appropriate spoken communication strategies with work colleagues and other personnel on site during woodchip production.
Reading skills to:	• read and interpret specifications and procedure manuals.
Writing skills to:	• record production data accurately and legibly, using correct technical vocabulary • access, navigate and enter computer based information
Problem solving skills to:	• maintain situational awareness in the work area • analyse and use sensory information to adjust process to maintain and co-ordinate safety, quality and productivity.
Technology skills to:	• use video, electronic and other control systems to control equipment and processes and make appropriate adjustments for woodchip production

Range of Conditions

Not Applicable

Unit Mapping Information

FPPRES210A Prepare and operate the woodchip production system

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingPackages.aspx/Pages/Home.aspx>

Assessment Requirements for PPMRES210 Prepare and operate the woodchip production system

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Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit, and must be able to provide evidence that they can:

- operate the woodchip production system and production runs, at least twice in line with required enterprise intervals, including the ability to:
 - prepare, start up, and monitor operations for production
 - follow equipment maintenance procedures including recognition, checking, fixing and reporting faults of production equipment and systems
 - respond to problems associated with plant shutdown and uncontrolled shutdown to ensure safety, quality and productivity
 - use and interpret electronic control systems including Digital Control System (DCS), touch screens or robotics to control equipment and processes, as required during operations
 - communicate effectively and work safely with others in the work area when undertaking production runs.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- productivity requirements, relevant workplace health and safety (WHS) procedures, risks and hazards identification and environmental workplace procedures relevant to woodchip production, in a pulp or paper mill
- woodchip production system, area layout and associated services sufficient to carry out docking and debarking processes within level of responsibility

- responses to all unplanned shutdowns (power outage, mechanical breakdown, blockages, jamming, air supply, control system failure) to ensure safety quality and productivity
- equipment fault identification and corrective action relevant to woodchip production
- electronic and other control systems, operation and application to make appropriate adjustments, to control production systems, within level of responsibility.

Assessment Conditions

The following resources must be made available:

- access to the full range of equipment involved in integrated continuous manufacturing to operate a woodchip production system in a pulp or paper manufacturing facility
- electronic control systems which includes Digital Control System (DCS), touch screens or robotics required to operate the woodchip production system
- applicable work health and safety (WHS) and isolation work place procedures, environmental guidelines and safe working requirements, risks and hazard identification and workplace housekeeping requirements
- personal protective equipment required for operating the wood production system
- relevant personnel for the purposes of communicating information
- sample workplace documentation, procedures and reports relevant to woodchip production systems including SOP, quality procedures , environmental sustainability requirements/practices, plant manufacturing operating manuals, enterprise policies and procedures, plant isolation documentation, safe work documentation.

Competency is to be assessed in the workplace or in a productive environment that accurately reflects performance in a workplace.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

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