



Australian Government

PPMCPR210 Prepare chemical products

Release: 1

PPMCPR210 Prepare chemical products

Modification History

Release	Comment
1	Replaces equivalent unit FPPCPR210A Prepare chemical products, which was first released with FPP10 Pulp and Paper Manufacturing Industry Training Package Version 1. This is the first release of this unit in the new standards format.

Application

This unit of competency describes the outcomes required to establish chemical requirements and inspect, start, monitor and shutdown chemical systems to meet safety, quality and productivity requirements in the pulp and paper industry.

This unit applies to production support operators who prepare chemical products and systems. This typically involves working in a facility with complex integrated equipment and continuous operations.

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. Establish chemical requirements	1.1. Determine chemical requirements according to work health and safety (WHS) and environmental procedures, safe working requirements, Standard Operating Procedures (SOP), risks and

ELEMENTS	PERFORMANCE CRITERIA
	hazard identification and housekeeping requirements. 1.2. Maintain a clear and hazard free work area in the pulp and paper plant. 1.3. Identify appropriate plant and equipment to be used for chemical systems.
2. Inspect and prepare chemical systems	2.1. Inspect chemical systems following work health and safety (WHS) and environmental procedures, safe working requirements and Standard Operating Procedures (SOP). 2.2. Remove isolations. 2.3. Conduct visual check of delivery systems. 2.4. Use electronic control systems to confirm operational suitability of delivery systems. 2.5. Prepare and mix additives to specifications as required. 2.6. Conduct quality checks on chemical product as required.
3. Start, monitor and maintain chemical system	3.1. Conduct process tests and adjust process to ensure product quality. 3.2. Maintain documentation and record hazardous situations. 3.3. Identify, repair or replace faulty equipment.
4. Implement and conduct shutdown procedures for chemical systems	4.1. Plan shutdown procedures according to workplace guidelines. 4.2. Organise and conduct shutdown procedures. 4.3. Record results and corrective actions.

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:	- use measuring equipment in chemical product preparation - interpret instruments, gauges and data recording equipment.
Oral communication skills to:	select and use appropriate spoken communication strategies with work colleagues and other personnel on site.
Reading skills to:	read and interpret documentation and procedure manuals to prepare chemical products safely.

Writing skills to:	record and report test results and rectifications accurately and legibly using correct technical vocabulary.
Problem solving skills to:	analyse and use sensory information to adjust process to maintain and co-ordinate safety, quality and productivity.
Technology skills to:	- use electronic and other control systems to control equipment and processes for chemical processes - access, navigate and enter computer based information.

Range of Conditions

Not Applicable

Unit Mapping Information

FPPCPR210A Prepare chemical products

Links

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