



Australian Government

PPMENV210 Identify and monitor environmental discharges/emissions

Release: 1

PPMENV210 Identify and monitor environmental discharges/emissions

Modification History

Release	Comment
1	Replaces equivalent unit FPPENV210A Identify and monitor environmental discharges/emissions, 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 identify, monitor and report on environmental discharges/emissions in a pulp or paper manufacturing facility.

The unit applies to production support operators who identify and monitor environmental discharges/emissions. 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. Monitor environmental discharges and/or emissions	1.1. Identify and clarify work role responsibilities, consistent with regulatory, licensing and certification requirements, procedures, environmental/discharges and emissions, workplace health and safety requirements (WHS) and standard operating procedures

ELEMENTS	PERFORMANCE CRITERIA
	(SOP. 1.2. Recognise discharge/emission levels and consequences of exceeding allowable discharge/emission levels 1.3. Monitor and measure discharge/emission levels using equipment. 1.4. Keep discharges and emissions within targeted limits. 1.5. Remove waste from site, where appropriate.
2. Respond to abnormal environmental discharges and/or emissions.	2.1. Report abnormal discharges and emissions to appropriate personnel. 2.2. Apply containment procedures. 2.3. Complete logs, incident and other relevant reports.

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 other recording equipment to monitor emissions.
Writing skills to:	- communicate workplace information, legibly and using correct technical vocabulary - access, navigate and enter computer-based information.
Oral communication skills to:	discuss and clarify organisational requirements with a supervisor.
Reading skills to:	read and interpret documentation including standard operating procedures (SOP), manuals, checklists and drawings.
Problem solving skills to:	maintain situational awareness in the work area.

Range of Conditions

Not Applicable

Unit Mapping Information

FPPENV210A Identify and monitor environmental discharges/emissions

Links

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

Assessment Requirements for PPMENV210 Identify and monitor environmental discharges/emissions

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1	Replaces equivalent unit FPPENV210A Identify and monitor environmental discharges/emissions, 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. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including 'Required Skills and Knowledge, Evidence Guide and Range Statement'.

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:

- identify and monitor environmental discharges/emissions, at least twice in line with required enterprise intervals, by :
- applying policy and regulations related to work health and safety (WHS) environmental sustainability practices and standard operating procedures (SOP) to work practices
- identifying unacceptable environmental discharges, within level of responsibility
- using monitoring equipment to detect discharges and emissions
- monitoring of all physical sensors and/or instrumentation and complying with licensing requirements
- preventing and minimising environmental and other risks and maximising opportunities including usage of alternative forms of energy and renewable resources, where appropriate
- engage and communicate in the workplace to ensure clarification of sustainability approaches in work requirements.

Knowledge Evidence

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

- key requirements outlined in workplace documentation and procedures, relevant to emissions and discharges covering:
- company policy related to environmental monitoring and control

- key environmental consequences of unacceptable discharges and internal environmental control standards
- plant manufacturing and plant isolation procedures
- enterprise policies and procedures
- oil or chemical spills and disposal guidelines
- safe work documentation
- HAZCHEM and dangerous goods procedures and handling practices
- external licensing requirements (for example, Environment Protection Authority [EPA], water authorities, local councils)
- standard operating procedures (SOP), quality requirements and housekeeping
- guidelines to use monitoring equipment including:
 - containment equipment
 - monitoring equipment
 - computer systems
 - electronic screens and alarms
 - process control systems
 - analogue and digital instrumentation
- workplace practices, relevant to own job role, that aid in the achievement of workplace containment of emissions
- relevant environmental and resource efficiency systems and procedures, for own work area
- principles, practices and available tools and techniques of sustainability management relevant to the pulp and paper industry.

Assessment Conditions

The following resources must be made available:

- fully automated, semi-automated, manually operated plant and equipment involved in identifying and monitoring environmental discharges/emissions in a pulp or paper manufacturing facility
- test and diagnostic equipment for monitoring discharges and emissions
- relevant personnel for the purposes of communicating information
- personal protective equipment required for identifying and monitoring environmental discharges/emissions
- template documents required for monitoring discharges and emissions.

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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