



Australian Government

PPMENV201 Identify and monitor environmental discharges and emissions

Release: 1

PPMENV201 Identify and monitor environmental discharges and emissions

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 identify, monitor and report on environmental discharges and emissions in a pulp and/or paper manufacturing facility.

The unit applies to production support operators who perform a range of routine tasks requiring environmentally sustainable work practices.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Environmental Monitoring (ENV)

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 environmental discharges and emissions	1.1 Identify workplace environmental discharge and emissions issues in the pulp and paper manufacturing industry 1.2 Identify plant system, equipment and materials used in own work role and consider environmental discharge and emission impact 1.3 Recognise discharge and emission levels and consequences of

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	exceeding allowable discharge and emission levels 1.4 Monitor and measure discharge and emission levels using equipment 1.5 Keep discharges and emissions within targeted limits 1.6 Remove waste from work area according to workplace and environmental procedures
2. Respond to abnormal environmental discharges and emissions	2.1 Report abnormal discharges and emissions to relevant personnel 2.2 Apply workplace containment procedures to respond to abnormal discharges and emissions levels 2.3 Record abnormal discharges and emissions levels according to workplace requirements

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 in workplace procedures and documentation
Writing	Record workplace information using clear language and industry terminology
Oral communication	- Ask questions and actively listen to clarify workplace requirements - Report abnormal discharge and emissions levels using clear language and industry terminology
Numeracy	Interpret numerical settings on instruments, gauges and other recording equipment to monitor emissions

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
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Code and title current version	Code and title previous version	Comments	Equivalence status
PPMENV201 Identify and monitor environmental discharges and emissions	PPMENV210 Identify and monitor environmental discharges/emissions	Minor amendment to unit title Changes to elements, 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>

Assessment Requirements for PPMENV201 Identify and monitor environmental discharges and emissions

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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, on at least one occasion, identified and monitored environmental discharges and emissions within own operational area, including:

- used monitoring equipment to detect unacceptable environmental discharges and emissions
- identified approaches to respond to the unacceptable levels
- communicated effectively with others to ensure clarification of identified approaches in work requirements
- completed accurate basic records in documenting abnormal discharges and emissions levels.

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:

- environmental discharge and emissions issues faced in the pulp and paper manufacturing industry system, plant and production processes
- key requirements outlined in workplace documentation and procedures, relevant to emissions and discharges, covering:
 - workplace 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

- key external licensing requirements by the Environment Protection Authority, water authorities and local councils
- 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

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a pulp and/or paper manufacturing facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - plant and equipment involved in identifying and monitoring environmental discharges and emissions
 - personal protective equipment required to inspect plant and equipment
 - test and diagnostic equipment for monitoring discharges and emissions
 - proforma or recording system for recording discharges and emissions information
- specifications:
 - workplace and standard operating procedures relating to monitoring environmental discharge and emission, including health and safety, risks and hazards identification, plant isolation, quality, housekeeping and environmental requirements
- relationships:
 - relevant personnel for the purposes of communicating information.

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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