



Australian Government

PPMENV401 Monitor and control environmental hazards

Release: 1

PPMENV401 Monitor and control environmental hazards

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 monitor and take the appropriate action to control environmental hazards, including liaising with internal and external bodies and participating in the investigation of safety incidents.

The unit applies to production operators and technicians in a pulp and/or paper manufacturing facility who are required to work within environmental regulatory requirements and monitor and control hazards.

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. Identify environmental hazards and assess risks	1.1 Identify environmental hazards and document according to workplace health and safety and environmental procedures 1.2 Determine cause and source of environmental hazard 1.3 Assess severity of risks associated with hazard and their impact on work practices and productivity 1.4 Record and report hazards, location and associated risks to

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	relevant personnel
2. Respond to environmental hazards	2.1 Activate alarms for environmental hazards according to emergency response procedures 2.2 Implement appropriate controls according to severity of associated risks 2.3 Report and document hazardous incident according to workplace procedures
3. Liaise with internal and external bodies	3.1 Notify relevant licensing authorities of environmental hazard if required 3.2 Liaise with internal and external bodies according to legal and workplace health and safety requirements 3.3 Monitor status of environmental hazard and provide updates to relevant personnel on an ongoing basis
4. Participate in investigation of safety incident	4.1 Participate in review of safety incident 4.2 Review current work practices to consider improved safety outcomes 4.3 Communicate proposed improvements according to workplace procedures

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 written and graphic information in workplace documentation and policies and procedures
Writing	Complete accurate and complex workplace health and safety reports using proformas and other standard reporting documents
Oral communication	Report clear, unambiguous information about hazards, risks and safety incidents to internal and external people
Numeracy	Estimate and record severity of risk associated with hazard in numerical terms using a risk assessment scale

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
PPMENV401 Monitor and control environmental hazards	PPMENV320 Monitor and control environmental hazards	Changes to 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 PPMENV401 Monitor and control environmental hazards

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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 participated in hazard identification activities and completed environmental risk assessments, including:

- completed the following documentation in each case:
 - hazard identification report
 - risk assessment report that suggested methods for eliminating or controlling risks associated with hazards that have been identified
 - reviewed at least one workplace practice to identify potential hazards and assess associated risks, and completed a basic report recommending changes to the workplace practice to control risks.

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:

- basic aspects of the relevant state or territory workplace health and safety legislation, specifically requirements for:
 - when, where and how hazards must be identified
 - when, where and how risk assessments must be conducted
 - consultation in the hazard identification and risk assessment process
 - workplace health and safety committees or workplace health and safety representatives as mechanisms for consultation
 - record keeping
 - reporting safety incidents and injuries to workplace health and safety authorities
- common hazard risk assessment tools
- format and use of appropriate hazard identification and risk assessment tools
- methods for identifying hazards in the workplace

- common methods applied to the assessment of safety risks, specifically the four-staged process model recommended and published by state and territory workplace health and safety authorities
- common methods applied to controlling risks, specifically the five-stepped hierarchical process model recommended and published by state and territory workplace health and safety authorities
- key features of common environmental hazards found in pulp and paper manufacturing facilities, associated health and safety risks and typical control measures, including:
 - noise
 - light
 - odour
 - gas
 - smoke
 - vapour
 - liquid and solids
 - particulates
 - fumes
- workplace policy and procedures for:
 - identifying, recording and reporting hazards and safety incidents
 - assessing and reporting risks associated with hazards
 - reporting hazards and safety incidents to internal and external authorities
 - investigating safety incidents.

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:
 - equipment, machinery and resources to monitor and control environmental hazards in a pulp or paper manufacturing facility
 - personal protective equipment required for monitoring environmental hazards
 - proforma or recording system for recording hazard identification, risk assessment and safety incident reports
- specifications:
 - workplace and standard operating procedures relating to identifying, recording and reporting hazards and safety incidents
 - access to regulatory documents distributed by the local workplace health and safety government regulator
- 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.

Links

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