



Australian Government

MSMENV172 Identify and minimise environmental hazards

Release: 1

MSMENV172 Identify and minimise environmental hazards

Modification History

Release 1. Supersedes and is equivalent to MSAPMSUP172A Identify and minimise environmental hazards

Application

This unit of competency covers the skills and knowledge required to identify activities and/or materials that present an environmental threat and to take the appropriate action according to procedures.

This unit of competency applies to all personnel who are required to work within environmental regulatory requirements which are reflected in the organisation's policies and procedures.

It applies to an individual working alone or as part of a team or group and working in liaison with other team members and supervisors.

This unit of competency applies to all plants and areas of operation.

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

Pre-requisite Unit

Nil

Competency Field

Support

Unit Sector

Elements and Performance Criteria

Elements describe the essential outcomes

Performance criteria describe the performance needed to demonstrate achievement of the element

1	Identify environmental threats	1.1	Recognise the type and severity of environmental threat posed by the materials and processes used for own work
		1.2	Identify ways materials used may enter the environment
		1.3	Identify sensitive features of the local environment and

			their impact on work practice and procedures
		1.4	Recognise abnormal or unacceptable emission levels
2	Identify workplace procedures and policies to minimise environmental threats	2.1	Identify workplace policy for environmental protection
		2.2	Identify environmental protection measures within standard operating procedures (SOPs) relevant to work
		2.3	State contact procedures for personnel involved in environmental response teams
3	Follow procedures to minimise environmental threats	3.1	Implement environmental protection measures in relevant procedures
		3.2	Report abnormal emissions/environmental issues to appropriate personnel
		3.3	Apply containment procedures in accordance with SOPs, where appropriate
		3.4	Implement waste management procedures and practices
		3.5	Follow safety procedures and use personal protective equipment (PPE)

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Regulatory framework	The latest version of all legislation, regulations, industry codes of practice and Australian/international standards, or the version specified by the local regulatory authority, must be used, and include one or more of the following:
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- legislative requirements, including work health and safety (WHS)
- industry codes of practice and guidelines
- environmental regulations and guidelines
- Australian and other standards
- licence and certification requirements

Procedures All operations must be performed in accordance with relevant procedures. Procedures are written, verbal, visual, computer-based or in some other form, and include one or more of the following:

- emergency procedures
- work instructions
- SOPs
- safe work method statements (SWMS)
- formulas/recipes
- batch sheets
- temporary instructions
- any similar instructions provided for the smooth running of the plant

Tools and equipment Tools and equipment include:

- personal protective equipment (PPE)
- spill kits

Emissions Abnormal or unacceptable emission levels include one or more of the following:

- excessive noise
- light
- odours
- gases/vapours
- visible smoke/vapour
- liquid and solids
- particulates
- fumes

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>