



Australian Government

AHCCHM404 Develop procedures to minimise risks in the use of chemicals

Release: 1

AHCCHM404 Develop procedures to minimise risks in the use of chemicals

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.

Application

This unit of competency describes the skills and knowledge required to assess hazards and risks and determine controls and develop procedures to mitigate risks when using chemicals.

The unit applies to individuals who take responsibility for their own work and may provide direction to others. They provide and communicate solutions to a range of predictable and sometimes unpredictable problems.

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

Pre-requisite Unit

Nil

Unit Sector

Chemicals (CHM)

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 chemical use hazards and risks	1.1 Identify, source and analyse information relating to safe use of chemicals in industry 1.2 Identify steps for the process of using chemicals 1.3 Identify hazards and risks for the process of using chemicals
2. Assess risks associated with chemical use and	2.1 Assess risks associated with using chemicals in the workplace

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
develop control procedures	2.2 Develop control measures and emergency action plans to mitigate risk according to workplace procedures and industry best practice 2.3 Develop procedures for risk control for operational activities using chemicals according to industry best practice 2.4 Develop a continuous improvement strategy to address identified deficiencies in risk control procedures
3. Monitor and assess adherence to chemical risk procedures	3.1 Provide personnel with chemical use procedures, instruction and safety equipment, including personal protective equipment, for using chemical control strategies 3.2 Monitor and assess personnel performance against procedures for selecting equipment for chemical use 3.3 Monitor and assess personnel performance against procedures for operational activities of chemical use 3.4 Measure the performance of personnel for following risk control procedures according to industry practice
4. Evaluate risk control measures and maintain records	4.1 Develop procedures for evaluating the effectiveness of risk control measures 4.2 Identify shortfalls in procedures and document changes required 4.3 Update procedures to reflect required changes according to industry best practice 4.4 Develop and maintain record systems for risk assessment according to industry best practice and legislative and regulatory 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	Critical analysis information and consolidate to determine risks in chemical control procedures
Writing	Develop procedural material using clear and detailed language in

Skill	Description
	order to convey explicit risk control information
Oral Communication	Present complex information using clear and convincing language, tone and pace appropriate when briefing personnel on procedures
Navigate the world of work	- Work independently or with others in making decisions to achieve organisation outcomes - Contribute to roles and responsibilities of others - Take full responsibility for following policies, procedures and legislative requirements
Interact with others	- Implement strategies for a diverse range of colleagues in order to build rapport and foster strong relationships when instructing and monitoring performance - Elicit feedback and provide feedback to others in order to improve workgroup behaviours and update procedures
Get the work done	- Accept responsibility for planning and sequencing complex tasks and workload - Monitor progress of procedures and reviews and amends them to meet demands and priorities - Apply systematic and analytical decision making processes for complex and non-routine situations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
AHCCHM404 Develop procedures to minimise risks in the use of chemicals	AHCCHM401 Develop procedures to minimise risks in the use of chemicals	Changes to Performance Criteria for clarity Removal of prerequisites units Added PC's in Element 1 and Element 4 Updated Performance Evidence and Knowledge Evidence	Equivalent unit

Links

Companion Volumes, including Implementation Guides, are available at VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>

Assessment Requirements for AHCCHM404 Develop procedures to minimise risks in the use of chemicals

Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 3.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit. There must be evidence that on at least one occasion the individual has demonstrated that they have developed procedures to minimise risks in the use of chemicals, including:

- sourced information and analysed its content for safe chemical use
- identified steps in the chemical use process and identified hazards and risks
- assessed the risks and developed risk control procedures to mitigate the risk for chemical use
- implemented procedures, monitored and evaluated personnel using procedures
- developed a continuous improvement strategy for risk control procedures
- implemented, monitored and evaluated a chemical risk control procedure
- developed and maintained records for risk assessment.

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:

- sources of chemical safety information, including:
 - codes of practice
 - legislation and regulations
 - chemical manufacturer labels
 - safety data sheets (SDS)
- industry best practice requirements relating to chemical use
- strategies for identifying hazards, risks and controls
- risk factors, including:
 - human
 - animal health
 - product integrity

- weather
- residues and maximum residue levels
- spray drift, spillage and environment
- requirements for the disposal of excess chemicals, clearing spillages and equipment clean up
- chemical application equipment capabilities and limitations
- principles and practices of chemical handling, transporting and storage of chemicals and fumigants
- principles and practices of chemical application strategies and equipment including integrated pest management
- operational factors to consider in procedures, including:
 - transport, handling and storage
 - application methods, equipment and personal protective equipment (PPE)
 - cleaning and decontamination
 - disposal of waste
- strategies for instructing personnel, and monitoring and assessing personnel performance
- mandatory and workplace record keeping requirements for chemical storage, disposal, application and safety.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a workplace setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - tools and equipment required to implement the chemical use procedure
 - PPE
- specifications:
 - specific workplace documents including policies and processes
 - manufacturers' operating instructions for equipment and machinery
 - SDS
 - workplace instructions and job specifications
 - chemical information including legislation, codes of practice, manufacturer instructions
- relationships:
 - team member(s).

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>