



Australian Government

RIIRAI606D Establish and maintain mine closure management systems

Release: 2

RIIRAI606D Establish and maintain mine closure management systems

Modification History

Release	Comment
1	This unit replaces RIIRAI606A Establish and maintain mine closure management systems
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to establish and maintain mine closure management systems in Coal mining.

This unit is appropriate for those working in management or technical specialist roles.

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

Unit Sector

Coal mining

Elements and Performance Criteria

1. Plan and prepare to establish mine closure management systems	1.1 Access, interpret and apply mine closure management systems documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues and implement control measures 1.4 Identify, collect, access and interpret mine survey data, in accordance with statutory and site requirements 1.5 Access the mine environmental management system, and identify and interpret information related to mine closure 1.6 Identify, evaluate and record historical information relating to the mine site
--	--

	1.7 Identify, assess and interpret all possible mining structure failure modes relevant to the mine site 1.8 Identify and record necessary resources required for mine closure
2. Identify and evaluate hazards and risks for mine closure	2.1 Identify existing and potential hazards and confirm identification in accordance with environmental legislation, code of practice and trends identified from the environmental management system 2.2 Analyse the risks associated with mine closure 2.3 Identify and assess the limitations and controls applying to mine closure
3. Identify and evaluate geological and geotechnical information for mine closure	3.1 Identify and evaluate geological structures 3.2 Identify and evaluate hydrogeological features 3.3 Identify and evaluate strata characteristics 3.4 Identify and evaluate rock types and ore body features and physical properties 3.5 Identify and evaluate stress regimes
4. Identify and evaluate mining engineering principles and practices	4.1 Identify and evaluate mining system types and methods 4.2 Identify stable mining structures and slope stability from engineering analysis 4.3 Identify and evaluate mining constraints impacting on the stable mining structure and slope stability 4.4 Identify and evaluate equipment requirements, appropriate for the mine closure
5. Establish the mine closure system	5.1 Design and establish the legislative, statutory, legal and site requirements on mine closure 5.2 Design and establish the mine environmental management system for mine closure 5.3 Design and establish the hazards and risk management systems for mine closure 5.4 Design and complete closure system documentation
6. Audit and review the effectiveness of the mine closure system	6.1 Audit the legislative, statutory, legal and site requirements on mine closure for compliance 6.2 Audit the mine environmental management system for mine closure for legal and site compliance 6.3 Audit the hazards and risk management systems for mine closure for compliance with site requirements

	6.4 Audit monitoring systems for compliance with statutory and site standards 6.5 Audit recording systems for compliance with site requirements 6.6 Identify and assess future mine closure requirements and standards and incorporate into future planning procedures 6.7 Establish procedures for response to instances of non-compliance or other discrepancies/deficiencies revealed by audit
--	---

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIRAI606A Establish and maintain mine closure management systems

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>