



Australian Government

RISRM502D Design stockpile formations and reclaiming systems

Release: 2

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Modification History

Release	Comment
1	This unit replaces RIISRM502A Design stockpile formations and reclaiming 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 design stockpile formations and reclaiming systems in Metalliferous mining.

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

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

Unit Sector

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare stockpile formations and reclaiming systems	1.1 Access, interpret and apply stockpiling and reclaiming systems documentation and ensure the work activity is compliant 1.2 Analyse and document organisation goals, objectives and strategies for stockpile management 1.3 Investigate and analyse worksite environments, and develop options, strategies and anticipated outcomes 1.4 Evaluate economics and efficiency of the stock piling system options and configurations 1.5 Identify and implement statutory requirements for locating of plant and stockpile
2. Design stockpile configuration	2.1 Design stockpile configuration with appropriate drainage system 2.2 Design reclaim systems to match stockpile configuration

	<p>2.3 Match load mechanisms to stockpile requirements</p> <p>2.4 Design and install dust control measures to ensure correct operations</p> <p>2.5 Plan and organise, supervision and safety requirements associated with the operation and machine movements</p> <p>2.6 Ensure a program to satisfy identified stockpiling training requirements is implemented</p>
3. Monitor stockpile operations	<p>3.1 Instruct operators on the outcomes required including Work Health & Safety issues and safe work procedures</p> <p>3.2 Monitor stockpiling operation including surveying, forming, order, dumping or ramp</p> <p>3.3 Monitor material removal from stockpile in accordance to Quality Assurance specifications</p> <p>3.4 Assess and reconcile stock quantities</p>
4. Establish audit and review of systems	<p>4.1 Establish procedures to evaluate and confirm system/equipment compliance with statutory and site requirements</p> <p>4.2 Ensure future stockpile systems and equipment requirements are identified and assessed and incorporate into planning processes</p> <p>4.3 Establish procedures to confirm the currency and compliance of stockpile formations and reclaiming systems</p> <p>4.4 Ensure the system for recording and reporting of stockpile and equipment information is developed and implemented</p> <p>4.5 Audit the stockpile training program for currency and relevance</p> <p>4.6 Ensure procedures for incorporating feedback into the audit/review system are developed and implemented</p> <p>4.7 Audit emergency response and evacuation systems, plans and procedures for compliance with site requirements</p> <p>4.8 Ensure procedures for response to instances of non-compliance or other discrepancies/deficiencies revealed by audit are developed and implemented</p>

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

RIISRM502A Design stockpile formations and reclaiming systems

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>