



Australian Government

RIISRM501E Implement stockpile management plans

Release: 1

RIISRM501E Implement stockpile management plans

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 7.0.

Application

This unit describes the skills and knowledge required to implement stockpile management plans in civil construction, coal mining, metalliferous mining and extractive industries. It involves monitoring the implementation of stockpile management plans and adjusting them to improve production.

The unit applies to those working in management or technical specialist roles. They generally monitor a broad range of operational activities in their area of responsibility and are responsible for monitoring a safe work environment.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Civil construction

Coal mining

Extractive

Metalliferous mining

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare to implement the stockpile management plan	1.1 Obtain, review and interpret site and transport arrangements, and geological and survey data relevant to management plan implementation 1.2 Access, interpret and apply stockpiling operations documentation and confirm the work activity is compliant

ELEMENT	PERFORMANCE CRITERIA
	1.3 Identify team training needs and confirm required training is provided
2. Communicate and apply the stockpile management plan	2.1 Communicate planned activities with stakeholders and confirm their support for the work activity 2.2 Communicate planned activities to team members and others involved, and monitor safe, effective and efficient implementation 2.3 Identify and acquire the resources required to implement management plan 2.4 Apply and monitor the management plan according to site and job requirements and geological and survey data 2.5 Prepare, analyse and present the stockpile management budget
3. Monitor and adjust stockpile management plan implementation	3.1 Provide ongoing support and advice to team members and others involved according to site and job requirements 3.2 Confirm records and reports are maintained and issued according to site and job requirements 3.3 Monitor plan implementation against management parameters, strategies and budget 3.4 Resolve anomalies in consultation with relevant stakeholders and issue instructions for adjustments to its implementation 3.5 Provide recommendations and changes to the plan

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Numeracy	Calculates resourcing requirements, performs mathematical calculations and applies mathematical and scientific laws and theorem
Oral communication	Conveys information and requirements clearly and listens actively
Reading	Identifies and interprets relevant information from workplace procedures, documentation and legislation
Writing	Prepares specific information that complies with requirements, using sector-specific vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is equivalent to RIISRM501D Implement the stockpile management plan.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for RIISRM501E Implement stockpile management plans

Modification History

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- implement stockpile management plans on at least two occasions, including:
 - analysing and documenting goals, objectives and strategies
 - developing systems to achieve indicated goals and objectives
 - identifying hazards and implementing hazard control measures
 - allocating and communicating roles and responsibilities to team members
 - preparing and communicating operational budgets
 - monitoring plan implementation and implementing changes to improve production
 - processing written records and reports.

During the above, the candidate must:

- locate and apply relevant legislation, documentation, policies and procedures
- implement the requirements, procedures and techniques to implement stockpile management plans, including:
 - interpreting and applying stockpile management plans
 - selecting and using required tools and equipment
 - wearing required personal protective equipment
 - accessing, interpreting and applying technical information
 - identifying and applying diagnostic techniques
- work effectively with others to undertake and complete implementation of the site stockpile management plan to meet required outcomes, including:
 - preparing for and organising work activities to meet task requirements
 - communicating clearly and concisely with others to issue and clarify work instructions
 - using a range of communication techniques and aids to advise others of work activity and exclusion zones.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- legislative requirements for implementing stockpile management plans
- policies, procedures and documentation required to implement stockpile management plans, including those relating to:
 - environmental protection
 - fire, accident and emergency
 - site operational, quality and communication requirements
 - site product characteristics
 - stockpile management
 - stockpile safety, including signage requirements
 - work health and safety
 - workplace recording and reporting requirements
- roles and responsibilities of relevant personnel involved in the implementation of the stockpile management plan
- action planning methods
- work procedure and instruction documentation requirements
- hazard identification and risk assessment processes
- geotechnical risks associated with working around stockpiles
- techniques and procedures for accessing, interpreting and communicating data to implement stockpile management plans, including:
 - geological data
 - geotechnical data
 - hydrogeological data
 - hydrological data
 - survey data
- stockpile management plan options, procedures and operational techniques required for execution of the plan
- characteristics, requirements, technical capabilities and limitations of plant and equipment required for stockpiling
- techniques for managing work teams, work group planning and team leadership.

Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below. The assessment must:

- include access to:
 - personal protective equipment
 - an environment stockpile management plan implementation is required
 - simulated or actual documentation of work requirements and reports
- be conducted in a safe environment; and,

- be assessed in the context of this sector's work environment; and,
- be assessed in compliance with relevant legislation/regulation and using policies, procedures and processes directly related to the industry sector for which it is being assessed; and,
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work environment* provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.

Assessor requirements

Assessors must be able to clearly demonstrate current and relevant industry knowledge and experience to satisfy the mandatory regulatory standards as set out in the Standards for Registered Training Organisations 2015/Australian Quality Training Framework mandatory requirements for assessors current at the time of assessment and any relevant licensing and certification requirements. This includes:

- vocational competencies at least to the level being delivered and assessed
- current industry skills directly relevant to the training and assessment being provided
- current knowledge and skills in vocational training and learning that informs their training and assessment
- formal relevant qualifications in training and assessment
- having knowledge of and/or experience using the latest techniques and processes
- possessing the required level of RII training product knowledge
- having an understanding and knowledge of legislation and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence outlined in this unit of competency, and
- the minimum years of current** work experience after competency has been obtained as specified below in an industry sector relevant to the outcomes of the unit.

It is also acceptable for the appropriately qualified assessor to work with an industry expert to conduct assessment together and for the industry expert to be involved in the assessment judgement. The industry expert must have current industry skills directly relevant to the training and assessment being provided. This means the industry subject matter expert must demonstrate skills and knowledge from the minimum years of current work experience after competency has been obtained as specified below, including time spent in roles related to the unit being assessed:

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Infrastructure	1	1 year
	2	2 years

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
Drilling, Coal Mining, Extractive (Quarrying), Metalliferous Mining and Civil Infrastructure	3-6	3 years
Other sectors	Where this unit is being assessed outside of the resources and infrastructure sectors assessor and/or industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no industry standard is specified should comply with any relevant regulation.	

*Guidance on simulated environments has been stipulated in the RII implementation guide located on VETNet.

**Assessors can demonstrate current work experience through employment within industry in a role relevant to the outcomes of the unit; or, for external assessors this can be demonstrated through exposure to industry by conducting a minimum number of site assessments as determined by the relevant industry sector, across various locations.

***While a unit of competency does not have an AQF level, where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered as the AQF indicator level for assessment purposes.

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