



Australian Government

Department of Education, Employment and Workplace Relations

RIICAR302A Rehabilitate small mine site

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers the rehabilitation of small mine sites in the metalliferous mining and extractive industry. It includes: establishing the rehabilitation requirements and plan; and rehabilitating the site.

Application of the Unit

This unit is appropriate for those working in operational roles, at worksites within:

- Extractive industries
- Metalliferous mining

Licensing/Regulatory Information

Refer to Unit Descriptor.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

<p>Elements describe the essential outcomes of a unit of competency.</p>	<p>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.</p>
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Establish rehabilitation requirements and plan	1.1. Access, interpret and apply compliance documentation relevant to the rehabilitation of small mine sites 1.2. Identify rehabilitation and vegetation removal requirements from recognised rehabilitation standards, environmental requirements, applicable codes and instructions 1.3. Inspect site to determine impact of mining or other operations and specific rehabilitation requirements 1.4. Identify natural water flow/water courses around the site 1.5. Ensure removal of all recoverable equipment no longer required 1.6. Identify specific equipment, materials and operations required to rehabilitate the site 1.7. Identify, address and report hazards associated with the rehabilitation operation 1.8. Determine and plan sequence to minimise rehabilitation time and residual damage to meet environmental care principles, statutory body requirements and applicable OHS and fire safety regulations, policies and precautions
2. Rehabilitate site	2.1. Observe and follow OHS procedures, practices, policies, and precautions 2.2. Adhere to site environmental concerns in accordance with relevant national, state, and local legislation and/or regulations 2.3. Select and use equipment and materials for rehabilitation 2.4. Remove abandoned materials and rubbish from site 2.5. Restore surface in accordance with rehabilitation plan 2.6. Remove residual mullock to designated location 2.7. Establish run-off and drainage channels to approximate natural drain lines in accordance with rehabilitation plan

	2.8. Maintain <i>communication</i> with other personnel and external authorities to ensure effective rehabilitation of the site
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Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

Specific skills are required to achieve the performance criteria in this unit, particularly for the application in the various circumstances in which this unit may be applied. This includes the ability to carry out the following as required to rehabilitate small mine site:

- apply legislative, organisation and site requirements and procedures
- recognise non-native plants
- apply mine site rehabilitation requirements
- communicate and liaise with internal and external bodies/groups
- read and interpret written material appropriate for local conditions
- read graphic information including charts, tables and weather maps
- use hand and power tools
- apply operational safety requirements
- maintain records
- identify faults
- apply environmental constraints
- apply procedures for the disposal of environmentally sensitive fluids and materials

Required knowledge

Specific knowledge is required to achieve the Performance Criteria of this unit, particularly its application in a variety of circumstances in which the unit may be used. This includes knowledge of the following, as required to rehabilitate small mine site:

- specific site rehabilitation requirements
- small underground mine rehabilitation methods and materials
- statutory requirements for rehabilitation
- hazards associated with rehabilitation operations
- rehabilitation planning
- OHS guidelines, procedures, and principles, including manual handling
- general environmental care and statutory body requirements
- ground-water behaviour and handling

Evidence Guide

<p>The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.</p>	
<p>Overview of assessment</p>	
<p>Critical aspects for assessment and evidence required to demonstrate competency in this unit</p>	<p>The evidence required to demonstrate competency in this unit must be relevant to worksite operations and satisfy all of the requirements of the performance criteria, required skills and knowledge and the range statement of this unit and include evidence of the following:</p> <ul style="list-style-type: none"> • knowledge of the requirements, procedures and instructions for rehabilitating small mine sites • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of the rehabilitation of small mine sites • working with others to undertake and complete the rehabilitation of small mine sites that meet all of the required outcomes • consistent timely completion of the rehabilitation of small mine sites that safely, effectively and efficiently meets the required outcomes
<p>Context of and specific resources for assessment</p>	<ul style="list-style-type: none"> • This unit must be assessed in the context of the work environment. Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated environment provided it is realistic and sufficiently rigorous to cover all aspects of workplace performance, including task skills, task management skills, contingency management skills and job role environment skills. • The assessment environment should not disadvantage the participant. For example, language, literacy and numeracy demands of assessment should not be greater than those required on the job. • Customisation of assessment and delivery environment to sensitively accommodate cultural diversity. • Aboriginal people and other people from a non English speaking background may have second

	<p>language issues.</p> <ul style="list-style-type: none"> • Assessment of this competency requires typical resources normally used in the work environment. Selection and use of resources for particular worksites may differ due to site circumstances. • Where applicable, physical resources should include equipment modified for people with disabilities. • Access must be provided to appropriate learning and/or assessment support when required.
Method of assessment	<p>This unit may be assessed in a holistic way with other units of competency. The assessment strategy for this unit must verify required knowledge and skill and practical application using more than one of the following assessment methods:</p> <ul style="list-style-type: none"> • written and/or oral assessment of the candidate's required knowledge • observed, documented and/or first hand testimonial evidence of the candidate's: <ul style="list-style-type: none"> • implementation of appropriate requirement, procedures and techniques for the safe, effective and efficient achievement of required outcomes • consistently achieving the required outcomes • first hand testimonial evidence of the candidate's: <ul style="list-style-type: none"> • working with others to undertake and complete the rehabilitation of small mine sites
Guidance information for assessment	<p>Consult the SkillsDMC User Guide for further information on assessment including access and equity issues.</p>

Range Statement

<p>The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.</p>	
<p>Relevant compliance documentation may include:</p>	<ul style="list-style-type: none"> • legislative, organisation and site requirements and procedures • manufacturer's guidelines and specifications • Australia standards • code of practice
<p>Vegetation may include:</p>	<ul style="list-style-type: none"> • introduced plants • garden plants • exotic plants
<p>Equipment and materials may include:</p>	<ul style="list-style-type: none"> • steel plate or grids • steel or plastic pipes • fencing • steel mesh • steel posts • barbed wire • earth bank • padlocks • steel pins
<p>Legislation may include Acts and Regulation dealing with:</p>	<ul style="list-style-type: none"> • mining safety and health • mine inspection • OHS • explosives • environment • Native Title
<p>Rehabilitation plans may include requirements for:</p>	<ul style="list-style-type: none"> • drainage • posts and tags • trenches • mine shafts • auger holes • mullock • rubbish • planting of plants and vegetation
<p>Communications may include:</p>	<ul style="list-style-type: none"> • radio • telephone • audible signals (bells, whistles, sirens)

	<ul style="list-style-type: none">• physical signals• written and verbal means
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Unit Sector(s)

Conservation and Rehabilitation

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.