



Australian Government

Department of Education, Employment and Workplace Relations

RIIRAI502A Implement site plant and resource management plan

Release: 1

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Modification History

Not applicable.

Unit Descriptor

This unit covers implementing site plant and resource management plans in resources and infrastructure industries. It includes: preparing for, developing, initiating, monitoring and adjusting the management plan.

Application of the Unit

This unit is appropriate for those working in management or technical specialist roles, within:

- Civil construction
- Coal mining
- Extractive industries

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

Elements describe the essential outcomes of a unit of competency.	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.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for development of the management plan	1.1. Access, interpret and apply compliance documentation relevant to the implementation of the site plant and resource management plan 1.2. Assess the required production/work targets, and other outcomes required in the site or mine plan 1.3. Obtain, review and interpret the site geological, hydrological and survey data relevant to the operation of the site and the implementation of the management plan 1.4. Identify and document the site plant and resources that are to be covered by the management plan
2. Develop the management plan	2.1. Involve internal and external stakeholders in the planning process in a way that uses their contribution effectively and gains their support for the outcomes 2.2. Develop and document the management plan in accordance with the relevant requirements and procedures 2.3. Set targets and other requirements for the site plant 2.4. Identify and acquire the resources required for the implementation of the management plan 2.5. Identify work tasks within the management plan 2.6. Identify and arrange any training required for personnel involved in the application of the management plan 2.7. Prepare and present the management budget in accordance with requirements
3. Initiate, monitor and adjust the implementation of the management plan	3.1. Assign responsibilities and issue and explain the management plan to team members and others involved, for the safe, effective and efficient implementation of the plan 3.2. Provide timely ongoing support and advice to those applying the management plan 3.3. Ensure records and reports are maintained

	and issued in accordance with the management plan requirements and other relevant <i>legislative and organisational requirements</i> 3.4. <i>Monitor</i> the management plan performance against the organisation and site's requirements and the budget; resolve anomalies in consultation with relevant stakeholders and issue appropriate instructions for adjustments to the plan and/or its implementation
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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 implement site plant and resource management plans:

- apply legislative, organisation and site requirements and procedures
- provide team leadership
- apply procedures for the selection of administrative and operational techniques
- apply work plan development, initiation and administration requirements and procedures
- interpret and apply operational and maintenance data

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 implement site plant and resource management plans:

- site risk, statutory compliance, health, safety, environmental, quality and communication requirements and procedures
- organisation plant and resource management policy, objectives and procedures (where they exist)
- mine plant and resource management options and procedures
- administrative and operational techniques required for execution of the plan
- work planning techniques
- team leadership techniques
- consultative and coaching techniques
- work monitoring methods
- recording and reporting systems
- training systems

Evidence Guide

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.

Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	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: • knowledge of the requirements, procedures and instructions for the implementing of site plant and resource management plans • implementation of procedures and techniques for the safe, effective and efficient implementing of site plant and resource management plans • the identification of the relevant information and scope of the work required to meet the required outcomes • the identification of viable options and the selection of options that best meet the required outcomes • working with others to undertake and complete the implementing of site plant and resource management plans • consistent successful implementing of site plant and resource management plans
Context of and specific resources for assessment	• 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 language issues. • Assessment of this competency requires typical resources normally used in a civil works 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	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: • written and/or oral assessment of the candidate's required knowledge • observed, documented and/or first hand testimonial evidence of the candidate's: • implementation of appropriate procedures and techniques for the safe, effective and efficient achievement of the required outcomes • identification of the relevant information and scope of the work required to meet the required outcomes • identification of viable options and the selection of options that best meet the required outcomes • consistently achieving the required outcomes • first hand testimonial and documentary evidence of the candidate's: • working with others to undertake and complete the implementing of site plant and resource management plans

	• provision of clear and timely required support and advice on the implementing of site plant and resource management plans
Guidance information for assessment	Consult the SkillsDMC User Guide for further information on assessment including access and equity issues.

Range Statement

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.

Relevant compliance documentation may include:	• legislative, organisation and site requirements and procedures • manufacturer's guidelines and specifications • Australian standards • code of practice • Employment and workplace relations legislation • Equal Employment Opportunity and Disability Discrimination legislation
Site plant and resource management plan may cover:	• risk management requirements • occupational health and safety requirements • security requirements • preserve the value of assets • maintenance requirements • minimising wastage • preserving development consent • people • raw feed reserves • mine water • soil • mobile plant and equipment • processing plant and equipment • maintenance equipment and materials • fuel, oil and lubricants • explosives and blasting accessories • land and buildings • finances
Geological data may include:	• soil quality, distribution and quantities • coal resource quality, distribution and quantities • faults, joints and other geological features
Hydrological data may include:	• rainfall • surface water, existing streams and dams • catchment areas and runoff characteristics

	• groundwater and bores
Survey data may include:	• site and neighbouring land form • site and neighbouring boundaries and structures • site and neighbouring roads and other infrastructure • approved limits of extraction • title details
Resources may include:	• budgets • skilled labour • materials • services • fuel, power • plant and • equipment
Internal and external stakeholders may include:	• organisation • customers • site and offsite employees • contractors • equipment suppliers • geologists, surveyors and/or draughtspersons • regulatory authorities representatives • community representatives • site neighbours

Unit Sector(s)

Resources and Infrastructure

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.