



Australian Government

Department of Education, Employment and Workplace Relations

RIISAM201A Handle resources and infrastructure materials and safely dispose of non toxic materials

Release: 1

RIISAM201A Handle resources and infrastructure materials and safely dispose of non toxic materials

Modification History

Not applicable.

Unit Descriptor

This unit covers the handling of materials and safely dispose of non toxic materials in resources and infrastructure industries. It includes planning and preparing for work; handling and removing waste; and cleaning up.

Application of the Unit

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

- Civil construction
- Coal mining
- Drilling
- 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

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. Plan and prepare	<p>1.1. Access, interpret and apply <i>compliance documentation</i> relevant to the work activity</p> <p>1.2. Obtain, confirm and apply <i>work instructions, quality requirements</i> and operational details relevant to the allotted task</p> <p>1.3. Obtain, confirm and apply <i>safety requirements</i> from the site safety plan and organisational policies and procedures, relevant to the allotted task</p> <p>1.4. Identify and obtain and implement the signage requirements from the project traffic management plan</p> <p>1.5. Select <i>tools and equipment</i> to carry out tasks that are consistent with the requirements of the job, and check them for serviceability and rectify or report any faults</p> <p>1.6. Identify, confirm and apply <i>environmental protection requirements</i> from the project environmental management plan to the allotted task</p>
2. Handle and remove waste	<p>2.1. Comply with materials safety data sheets and requirements of regulatory authorities</p> <p>2.2. Identify <i>hazardous materials</i> for separate handling</p> <p>2.3. Use correct procedures to remove <i>non-toxic materials</i></p> <p>2.4. Use <i>dust suppression procedures</i> to minimise health risks to work personnel and others materials from workplace traffic or access</p>
3. Clean Up	<p>3.1. Clean, check, maintain and store tools and equipment in accordance with manufacturers' recommendations and standard work practices</p> <p>3.2. Safely store/stack unused materials for future use</p> <p>3.3. Clear work area and dispose of or recycle materials in accordance with project environmental management plan</p>

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 handle resources and infrastructure materials and safely dispose of non toxic materials:

- apply legislative, organisation and site requirements and procedures
- apply teamwork to a range of situations, particularly in a safety context
- solve problems particularly in teams and in dealing practically with safety issues
- show initiative in adapting to changing work conditions or contexts particularly when working across a variety of work placements
- manage time, particularly in organising priorities and planning work
- take responsibility for self organisation of work priorities
- show a willingness to learn and to use a range of mediums to learn

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 handle resources and infrastructure materials and safely dispose of non toxic materials:

- the most commonly encountered waste materials on worksites
- environmental management requirements
- hazardous goods handling in accordance with company procedures
- systems for packing and securing materials for movement
- systems and equipments or materials for the short term protection of stacked/stored materials
- methods of dust suppression
- site and equipment safety requirements
- site isolation and traffic control responsibilities and authorities
- project quality requirements
- industry and worksite terminology
- JSA's/Safe work method statement

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	<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 to handle resources and infrastructure materials and safely dispose of non toxic materials • implementation of requirements, procedures and techniques for the safe, effective and efficient completion of handling of resources and infrastructure materials and safe disposal of non toxic materials • working with others to undertake and complete the handling of resources and infrastructure materials and safe disposal of non toxic materials that meets all of the required outcomes • consistent timely completion of handling of resources and infrastructure materials and disposal of non toxic materials that safely, effectively and efficiently meets the required outcomes
Context of and specific resources for assessment	<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

	<p>required on the job</p> <ul style="list-style-type: none"> • 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 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 handling of resources and infrastructure materials and safe disposal of non toxic materials
Guidance information for assessment	<p>Consult the SkillsDMC User Guide for further information on assessment including access and equity issues.</p>

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.

<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 • Australian standards • code of practice • Employment and workplace relations • Equal Employment Opportunity, Disability Discrimination
<p>Work instructions may include:</p>	<ul style="list-style-type: none"> • verbal or written and graphical instructions • plans and specifications • work bulletins • charts and hand drawings • memos • materials safety data sheets (MSDS) and • diagrams or sketches • organisation's work specifications and requirements • instructions issued by authorised organisational or external personnel
<p>Quality Requirements may include:</p>	<ul style="list-style-type: none"> • dimensions • tolerances • standards of work • material standards as detailed in: <ul style="list-style-type: none"> • the project drawings, • specifications and • project documentation to meet client satisfaction
<p>Safety requirements may include:</p>	<ul style="list-style-type: none"> • protective clothing and equipment and is include that prescribed under: <ul style="list-style-type: none"> • legislation • regulation and • workplace policies and practices • use of tools and equipment • workplace environment and safety

	<ul style="list-style-type: none"> • handling of materials • use of fire fighting equipment • use of First Aid equipment • hazard control and • hazardous materials and substances • emergency procedures related to equipment operation which are to include but may not be limited to: <ul style="list-style-type: none"> • emergency shutdown and stopping • extinguishing equipment fires • organisational First Aid requirements • evacuation
Tools and equipment may include:	<ul style="list-style-type: none"> • brooms • hoses • shovels • rakes • wet and dry industrial vacuum cleaners • wheelbarrows • pallet trolley • materials hoists • forklifts
Environmental protection requirements may include:	<ul style="list-style-type: none"> • organisational/project environmental management plan • waste management • water quality protection • noise • vibration • dust • clean-up management
Hazardous materials are	<ul style="list-style-type: none"> • those materials that pose a health risk to humans and animals or cause irreversible damage to the environment and may include toxic chemicals, asbestos and radioactive materials
Non toxic materials are	<ul style="list-style-type: none"> • those materials that do not pose a health risk through poisoning to humans and animals and may include excavated material that exceeds requirements and off cuts of construction materials such as timber
Dust suppression procedures may include but not be limited to:	<ul style="list-style-type: none"> • spraying with water • covering and • use of vacuum cleaners

Unit Sector(s)

Service and Maintenance

Competency field

Refer to Unit Sector(s).

Co-requisite units

Not applicable.