



Australian Government

RIICBS203D Safely handle bituminous materials

Release: 2

RIICBS203D Safely handle bituminous materials

Modification History

Release	Comment
1	This unit replaces RIICBS203A Safely handle bituminous materials
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 safely handle bituminous materials in Civil Construction.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan and prepare to safely handle bituminous materials	1.1 Access, interpret and apply bituminous materials handling documentation and ensure the work activity is compliant 1.2 Obtain, read, interpret, clarify and confirm work requirements 1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures 1.4 Select and wear personal protective equipment appropriate for work activities 1.5 Confirm and apply environmental protection and safety requirements 1.6 Select and check for faults tools and equipment to carry out
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	tasks 1.7 Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Work safely with bituminous materials	2.1 Identify characteristics and uses of bituminous materials and additives used in surfacing 2.2 Handle bituminous materials and complete work plan 2.3 Continually monitor hazards and risks, and ensure safety of self, other personnel, plant and equipment
3. Demonstrate First Aid for bitumen burns	3.1 Perform First Aid in the case of a bitumen burn 3.2 Attach 'Bitumen Burn Tag' to victims of burns who are to be treated off site
4. Clean up	4.1 Clear work area and dispose of or recycle materials in accordance with project environmental management plan 4.2 Clean, check, maintain and store tools and equipment 4.3 Carry out housekeeping requirements

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

RIICBS203A Safely handle bituminous materials

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for RIICBS203D Safely handle bituminous materials

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Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies applicable legislation, documentation, policies and procedures
- implements requirements, procedures and techniques for the safe, effective and efficient safe handling of bituminous materials including:
 - selecting and using relevant tools and equipment safely
 - identify and report on hazards related to the worksite and work activity
- works effectively with others to undertake and complete the safe handling of bituminous materials that meets all of the required outcomes including:
 - organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
 - using a range of communication techniques and systems such as signage to advise others of work activity
- demonstrates completion of safely handling bituminous materials that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - identifying, reporting and recording major hazards and risks
 - storing and using a minimum of four (4) bituminous materials
 - providing burn First Aid to a simulated burn and tagged accordingly
 - extinguishing a simulated fire involving a bituminous substance

Knowledge Evidence

The candidate must demonstrate knowledge of safely handling bituminous materials through:

- applying legislative, organisation and site requirements and procedures for; site and equipment safety requirements
- calculation of material requirements
- project quality requirements
- housekeeping
- equipment types, characteristics and limitations
- applying operational and maintenance procedures
- the AAPA code of practice for working with SBS modified binders
- safety data sheets and materials handling methods
- JSAs/JSEA/safe work method statements
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Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit must be assessed in the context of this sector's work environment; and,
- this unit must be assessed in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,
- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal	1	1 Year

Mining, Extractive (Quarrying) and Civil Construction	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 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.	

*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 frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

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