



Australian Government

RIICBS314 Conduct aggregate spreader box operations

Release: 1

RIICBS314 Conduct aggregate spreader box operations

Modification History

This unit replaces RIICBS204D Conduct aggregate spreader box operations. Minor endorseable amendments have been made to Elements, Performance Criteria, Foundation Skills, Performance Evidence and Knowledge Evidence to better reflect current industry practices and clarify training outcomes.

Application

This unit describes a participant's skills and knowledge required to conduct aggregate spreader box operations in civil construction.

It applies to those working in operational roles. The individual is generally a skilled operator and may provide theoretical advice and support a team.

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

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 conduct aggregate spreader box operations	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply aggregate spreader box operations documentation and confirm the work activity is compliant 1.3 Identify environmental issues and potential hazards, and assess and address risks within scope of own role and according to workplace procedures 1.4 Select and wear personal protective equipment required for work activities 1.5 Confirm and comply with environmental protection, safety and traffic management signage requirements 1.6 Select plant, tools and equipment required for tasks and check for faults within scope of own role 1.7 Obtain and interpret emergency procedures and identify steps required in case of fire, accident and

ELEMENT	PERFORMANCE CRITERIA
	other emergencies
2. Set up to conduct aggregate spreader box operations	2.1 Place cut on/cut off paper in preparation for bitumen spraying and at the end of the spray run 2.2 Connect equipment to the truck prior to operation 2.3 Set spreader box to required width according to job requirements 2.4 Check spreader box is ready for operation 2.5 Check spreader box calibration 2.6 Establish communication with the truck driver according to job requirements and workplace procedures 2.7 Check and record size of aggregate prior to spreading
3. Spread aggregate	3.1 Remove cut on/cut off paper in preparation for aggregate spreading 3.2 Complete spreading and coordinate opening and closing of the spreader box with speed and application of aggregate 3.3 Instruct driver to adjust speed, line or angle of body as required 3.4 Monitor spread rate and make adjustments as required
4. Perform hand spreading and spotting duties	4.1 Check and correct uniformity of run as required 4.2 Use hand spreading method as required
5. Disconnect and clean up	5.1 Disconnect spreader box after operation 5.2 Check truck is free of spreader and the spreader has all connecting parts positioned for transportation or further use 5.3 Clear work area and dispose of and recycle materials as required according to workplace procedures and environmental requirements 5.4 Clean, check, perform maintenance on in scope of own role, and store plant, tools and equipment 5.5 Carry out housekeeping to workplace requirements

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
Reading	Identifies and interprets information from workplace procedures, documentation, legislation and regulations
Self-management	Monitors and minimises own exposure to worksite hazards during activities
Oral communication	Uses a range of communication techniques and systems to communicate with others

Unit Mapping Information

Supersedes and is equivalent to RIICBS204D Conduct aggregate spreader box operations.

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 RIICBS314 Conduct aggregate spreader box operations

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:

- conduct aggregate spreader box operations on at least two occasions, including:
 - spread at least six truckloads of at least two different aggregates to the design application rate, to complete at least:
 - ~ three runs of wings, tapers and turning lanes on at least three sites varying in complexity.

During the above, the candidate must:

- locate and apply legislation, documentation, policies and procedures required for conducting aggregate spreader box operations
- work with others to conduct aggregate spreader box operations that meets required outcomes, including:
 - organising work activities to meet task requirements
 - communicating with others to receive and clarify work instructions
 - using signage to advise others of work activity and exclusion zone
- place, pick up, and dispose of at least four transverse paper joints
- clean, check, perform maintenance on, disconnect and store equipment
- complete housekeeping activities.

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:

- on site processes and responsibilities relating to site isolation and traffic control
- processes for calculating material requirements, application rates and travel speed
- safety data sheet (SDS) compliance processes
- key components of job safety analyses (JSAs)/job safety environmental analyses (JSEAs)/safe work method statements (SWMSs)
- key legislation for conducting aggregate spreader box operations
- key policies, procedures and established requirements for conducting aggregate spreader box operations, including those for:

- site and equipment safety
- environmental protection, including waste disposal and recycling
- work quality
- establishing exclusion zones
- housekeeping
- operating and maintaining spreader box
- key factors affecting work activities described in performance evidence above, including:
 - sprayed seal types
 - aggregate types and sizes
 - equipment types, characteristics, technical capabilities and limitations.

Assessment Conditions

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

- include access to:
 - aggregate spreader box
 - personal protective equipment
- be conducted in a safe environment; and,
- be assessed in context of this sector's work environment; and,
- be assessed in compliance with legislation/regulation and using policies, procedures, processes and operational manuals 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 sectors 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 competency standards as set out in the Standards for Registered Training Organisations (RTOs) 2015/AQTF 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 a high level of RII training product knowledge
- having an understanding and knowledge of legislations and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence as 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 hold the relevant vocational competencies and have current industry skills directly relevant to the training and assessment being provided and must work alongside a trainer and/or assessor to conduct the assessment. This means the industry subject matter expert should hold the unit being assessed (or an equivalent unit), and must also 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
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 Companion Volume 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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