



Australian Government

RHCBS307E Conduct bitumen sprayer operations

Release: 1

RIICBS307E Conduct bitumen sprayer operations

Modification History

This unit replaces RIICBS307D Conduct bitumen sprayer 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 the skills and knowledge required to conduct bitumen sprayer 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 <i>Elements describe the essential outcomes.</i>	PERFORMANCE CRITERIA <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for bitumen sprayer operations	1.1 Obtain, interpret and confirm work requirements 1.2 Access, interpret and apply bitumen sprayer 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 other

ELEMENT	PERFORMANCE CRITERIA
	emergencies
2. Set up and load sprayer	2.1 Check ancillary tanks are full and determine required materials to perform spray operations 2.2 Check tank for contamination and apply prevention methods 2.3 Calculate spraying speed and pump rpm required for job 2.4 Set required amount of cutter and fit required number and size of jets to spray bar 2.5 Check previous load details for compatibility 2.6 Load tank with the prescribed type and quantity of material and add additives and mix where required 2.7 Check heat and maintain temperature of the material 2.8 Measure, calculate and record material quantities and additives
3. Operate bitumen sprayer	3.1 Carry out start-up, park, shutdown and secure equipment procedures 3.2 Select and modify bitumen spraying techniques as required by work conditions 3.3 Set control valves for operation according to job requirements 3.4 Drive and operate equipment that minimises hand spraying requirements 3.5 Conduct, control and monitor spraying operations without damaging property or vehicles
4. Operate hand lance	4.1 Inspect and confirm hand lance is fit for purpose 4.2 Select hand lancing techniques required by work conditions 4.3 Conduct, control and adjust hand spraying operations as required by task 4.4 Carry out hand spraying operations adjacent to traffic
5. Carry out operator maintenance and clean up	5.1 Unload and empty tank into storage and waste as required according to workplace procedures and environmental requirements 5.2 Clean tank interior, spray bar, tools and equipment according to workplace procedures 5.3 Clear work area and dispose of and recycle materials as required according to workplace procedures and environmental requirements 5.4 Prepare machine for maintenance 5.5 Conduct inspection and fault finding

ELEMENT	PERFORMANCE CRITERIA
	5.6 Carry out scheduled maintenance tasks of plant, tools and equipment 5.7 Process written maintenance records 5.8 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
Numeracy	<ul style="list-style-type: none"> Checks and sets bitumen spraying equipment to required levels to ensure work meets required outcomes
Reading	<ul style="list-style-type: none"> Identifies and interprets information from workplace procedures, documentation, legislation and regulations
Self-management	<ul style="list-style-type: none"> Monitors and minimises own exposure to worksite hazards during activities
Oral communication	<ul style="list-style-type: none"> Uses a range of communication techniques and systems to communicate with others

Unit Mapping Information

Supersedes and is equivalent to RIICBS307D Conduct bitumen sprayer operations.

Links

Companion Volume implementation guides are found in VETNet -

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