



Australian Government

SIFCBCR012 Install burial vaults

Release: 2

SIFCBCR012 Install burial vaults

Modification History

The details of this endorsed unit are in the table below. the latest information is at the top.

Release	Comments
2	Editorial correction to prerequisite code.

Application

This unit describes the performance outcomes, skills and knowledge required to install below ground concrete burial vaults. It applies to cemetery and crematorium staff involved in burial works who generally work under supervision as part of a team. The work is performed according to work health and safety, relevant legislation and workplace policies and procedures.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

SIFCWHS001 Identify hazards and assess risks in a cemetery or crematorium

Competency Field

Burial and Cremation Operations

Unit Sector

Cemetery and Crematoria

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1. Prepare to lay vaults.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1 Liaise with supervisors or co-workers to identify and confirm work requirements including tools and equipment.
- 1.2 Identify, prepare and use personal protective equipment.
- 1.3 Select and assemble tools and equipment.

- 1.4 Check tools and equipment for serviceability and report faults to supervisor.
 - 1.5 Determine safety hazards and take corrective action.
 - 1.6 Set up drainage provisions in excavated vault areas according to plan details.
 - 1.7 Install formwork in site according to work requirements.
 - 1.8 Install sub-base material in site and compact area to specified level and consistency.
 - 1.9 Install waterproof membrane to area as required according to manufacturer guidelines.
 - 1.10 Cut, place and tie reinforcement to area according to plan details.
 - 1.11 Apply release agent to formwork according to manufacturer guidelines.
2. Mix concrete.
 - 2.1 Calculate volume of concrete required for vaults according to work requirements.
 - 2.2 Determine proportions for concrete mix according to vault strength requirements.
 - 2.3 Establish volume of dry materials to produce final concrete mix and mix to blend all materials.
 - 2.4 Introduce sufficient water to produce a plastic concrete mix after making allowances for damp aggregates.
3. Place and finish concrete.
 - 3.1 Check faults and take required corrective action prior to placing concrete.
 - 3.2 Apply release agent to formwork according to manufacturer guidelines.
 - 3.3 Conduct concrete slump test to confirm specifications where required.
 - 3.4 Place concrete to designated levels in a manner that avoids segregation of materials.
 - 3.5 Consolidate concrete using approved vibration method.
 - 3.6 Screed concrete according to required level.
 - 3.7 Prepare surface to required finish.
 - 3.8 Use appropriate curing agent and method according to manufacturer guidelines.
 - 3.9 Clean equipment on completion.
4. Complete installation.
 - 4.1 Remove formwork and nails.
 - 4.2 Gather and place vault lids according to work requirements.
 - 4.3 Clean work area and store all equipment according to

workplace requirements.

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

SIFBCR005B Install burial vaults.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c2c3131e-4418-4aa3-8ff1-a855c95f7fd6>

Assessment Requirements for SIFBCR012 Install burial vaults

Modification History

Not applicable.

Performance Evidence

Evidence of the ability to:

- select, prepare, use, maintain and clean the required tools and equipment according to supervisor instructions, workplace policies and procedures, and manufacturer guidelines
- calculate volume and proportion of concrete mix and dry materials, and mix, test and place concrete
- install burial vaults safety and efficiently and according to work specifications.

Evidence of performance of installing burial vaults on two or more occasions is required to demonstrate consistency of performance and ability to respond to different situations.

Knowledge Evidence

Demonstrated knowledge of:

- basic concepts and techniques of concrete construction relating to installing burial vaults
- materials required for the concreting process
- material handling techniques in relation to installing burial vaults
- hand tools and equipment used to install burial vaults and their associates uses
- operating and maintenance requirements of relevant hand tools and equipment
- use and maintenance of personal protective equipment
- safety hazards in relation to installing vaults, including:
 - air
 - vibration
 - water
 - heat
 - overhead obstacles
 - loadings on top of ground:
 - machinery
 - people
 - soil
 - previously dug graves
 - monument collapse
 - drains
 - cables

- sprinklers
- pipes
- trees and roots
- faults in relation to installing vaults, including:
 - formwork stability
 - reinforcement placement
 - screeding point positions
- federal, state or territory, and local government legislation and regulations relating to work health and safety/occupational health and safety and vault installation
- workplace policies and procedures regarding concrete construction
- environmental impacts in relation to burial works and minimal impact practices to reduce these, especially those that relate to resource, water and energy use
- environmentally sound disposal methods for all types of waste and in particular for hazardous substances.

Assessment Conditions

Skills must be demonstrated in the workplace or in a simulated environment that is as industry realistic as possible. In a simulated environment, it is essential that assessment is conducted:

- using suitable facilities, equipment and resources, including:
 - excavated vault areas
 - personal protective equipment and concreting tools and equipment
 - work specifications and plans
- under industry conditions where there is:
 - integration of tasks with possible interruptions to work typical of the job role
 - speed and timing requirements that reflect commercial operating conditions
 - interaction with supervisors and team members

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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