



Australian Government

Assessment Requirements for CPPFES3024

Inspect and maintain portable foam-generating equipment

Release: 1

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Modification History

Release 1 This version first released with CPP Property Services Training Package Release 13.0.

Supersedes and is equivalent to CPPFES3024A Inspect and maintain portable foam-generating equipment. Unit updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by servicing portable foam-generating equipment, including:

- inspection and maintenance of:
 - one hand-held foam branch pipe
 - one hose reel foam unit
 - one mobile unit foam generator
 - one portable in-line foam inductor
 - one portable monitor
- installation of one hose reel foam unit.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- action to take when a breach of regulation, work health and safety (WHS) or other policy occurs when inspecting and maintaining portable foam-generating equipment
- characteristics of effective foam
- classification and purpose of each type of foam
- difference between portable and fixed foam systems
- foam suitability for different fire types and typical uses
- how foam is generated and can be used to extinguish a fire
- how to determine amount of foam concentrate required to be added to a tank for correct mix, given volume of water in a tank and foam concentrate percentage
- how to determine storage requirements, shelf life and storage temperature range from a given foam concentrate safety data sheet (SDS)
- implications of not complying with regulatory requirements when inspecting and maintaining portable foam-generating equipment
- features and function of major items of foam-generating equipment

- key features of legislation, regulations, codes and Australian Standards relevant to inspecting and maintaining portable foam-generating equipment:
 - environmental considerations relating to foams
 - National Construction Code (NCC) and deemed-to-satisfy requirements
 - maintenance schedules
 - records and documentation
- meaning of foam percentages
- principles of operation of:
 - portable foam-generating equipment
 - portable foam proportioning equipment and in-line proportioning equipment:
 - in-line inductors
 - inflatable bladder proportioning
 - positive displacement pump proportioning
 - around-the-pump proportioning
- purpose of inductors
- reason and methodology for collecting foam concentrate samples from a concentrate storage container
- types and purpose of tools, equipment and components used when inspecting and maintaining portable foam-generating equipment:
 - hand and power tools
 - personal protective equipment (PPE)
 - spectrometer
- workplace requirements for inspecting and maintaining portable foam-generating equipment:
 - maintenance of tools and equipment
 - WHS, including hazard and risk identification and control.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment must be conducted in the workplace or a simulated workplace using realistic conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to documentation, tools, equipment and foam-generating equipment required to achieve the performance evidence.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>