

Suppress vegetation fires with water and with water with additives

Level 3

Credits 3

Purpose This unit standard applies to the suppression of vegetation fires using hoses.

People credited with this unit standard are able to: demonstrate knowledge of the types and use of waterway equipment to fight vegetation fires; demonstrate operation of a fire hose in a vegetation fire setting; relocate hose line; and demonstrate safe mopping up procedures.

Subfield Fire and Rescue Services

Domain Fire and Rescue Services - Vegetation

Status Registered

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Entry information Open.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Fire and Rescue Services Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0039

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Special notes

- 1 Compliance with the fire and rescue service provider's Health and Safety policy and procedures is mandatory.
- 2 Assessment against this unit standard may take place under real or practical simulated conditions.
- 3 The primary reference for this unit standard is *Use of Water*, Fire and Rescue Services Industry Training Organisation (FRSITO) (Wellington: FRSITO, 1999). This reference is available from FRSITO, PO Box 11988, Manners Street, Wellington 6142.

Elements and performance criteria

Element 1

Demonstrate knowledge of the types and use of waterway equipment to fight vegetation fires.

Performance criteria

- 1.1 Commonly used types of fire hoses and waterway equipment are listed and their use described in accordance with the primary reference.
- 1.2 Other considerations that must be taken into account when working with waterway equipment are described in accordance with the primary reference.
- Range care of equipment, packing, safe working practices.
- 1.3 Procedures for the use of additives are described in accordance with the primary reference.
- Range additives applied, personal safety requirements, preservation of the environment.

Element 2

Demonstrate operation of a fire hose in a vegetation fire setting.

Performance criteria

- 2.1 Use of fire hoses is demonstrated in accordance with the primary reference.
- Range flaked, rolled, rolled on the bight.
- 2.2 Application and use of water and water additives are demonstrated in accordance with the primary reference.
- Range jet and spray patterns, foam nozzles, conservation of water, preservation of the environment.
- 2.3 Hand signals for use on hose lays are demonstrated in accordance with the primary reference.
- 2.4 Identification and replacement of damaged hose are demonstrated in accordance with the primary reference.

Element 3

Relocate hose line.

Performance criteria

- 3.1 Relocation of charged hose is carried out when acting as a member of a team in accordance with the fire and rescue service provider's requirements.
- 3.2 Uncharged hose is relocated without assistance in accordance with the primary reference.
- Range shouldering, pineappling.
- 3.3 Safety is maintained during relocation of the hose in accordance with the primary reference.

Element 4

Demonstrate safe mopping up procedures.

Performance criteria

- 4.1 Mopping up is carried out in accordance with the primary reference.
- 4.2 Effectiveness of water and additives is monitored and communicated to the pump operator in accordance with the primary reference.
- 4.3 Burning and smouldering material and hot spots are dealt with in accordance with the primary reference.
- Range deep-seated, surface, overhead.
- 4.4 Equipment used is recommissioned when mopping up procedures are completed in accordance with the primary reference.
- 4.5 Safety is maintained throughout the mopping up procedures in accordance with the primary reference.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Fire and Rescue Services Industry Training Organisation info@frsito.org.nz if you wish to suggest changes to the content of this unit standard.