
**FIRE AND RESCUE SERVICES -
VEGETATION**
**Suppress vegetation fires with water
and with water with additives**

level:	3
credit:	2
final date for comment:	March 2008
expiry date:	December 2009
sub-field:	Fire and Rescue Services
purpose:	<p>This unit standard applies to the suppression of vegetation fires using hoses.</p> <p>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 of vegetation fires.</p>
entry information:	Open.
accreditation option:	Evaluation of documentation and visit by NZQA and industry.
moderation option:	A national moderation system of moderation networks has been established by the Fire and Rescue Services Industry Training Organisation.
special notes:	<ol style="list-style-type: none">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.

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- 3 The primary reference for this unit standard is the Fire and Rescue Service Industry Training Organisation's learning resource *Use of Water*. This reference is available from FRSITO, PO Box 11988, Wellington.

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, packing, safe working practices, conservation of water, preservation of the environment.
- 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.

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1.4 Mop up procedures are described in accordance with the primary reference.

Range: use of additives, effectiveness of additives used.

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.

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 requirements.

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3.2 Uncharged hose is relocated without assistance in accordance with the primary reference.

Range: shouldering, pineappleing.

3.3 Safety of the operator is maintained during relocation of the hose in accordance with the primary reference.

element 4

Demonstrate safe mopping up of vegetation fires.

Range: with water and/or water with additives.

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 and overhead.

4.4 Equipment used is recovered and re-commissioned when mopping up operations are completed in accordance with the primary reference.

4.5 Safety of the personnel involved is maintained throughout the mop-up operation in accordance with the primary reference.

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.

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Please Note

Providers must be accredited by the Qualifications Authority or a delegated inter-institutional body before they can register credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority 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 providers wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

This unit standard is covered by AMAP 0039 which can be accessed at <http://www.nzqa.govt.nz/site/framework/search.html>.