



National  
Operational  
Guidance

Hazard

**Fire water run-off**



**NFCC**

Fire Central  
Programme Office

Developed and maintained by the NFCC

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## Hazard - Fire water run-off

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### Knowledge and understanding

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| Hazard             | Learning outcome                           |
|--------------------|--|
| Fire water run-off | Understand all associated hazard knowledge |



## Control measure - Controlled burning

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### TRAINING SPECIFICATION

### Knowledge and understanding

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| Control measure element | Learning outcome  |
|-------------------------|---|
| Controlled burning      | Understand: <ul style="list-style-type: none"><li>• Why a controlled burn may limit the impact on the environment</li><li>• When a controlled burn can be considered</li><li>• The need to seek specialist advice and from whom</li><li>• The effects of using positive pressure ventilation to accelerate a controlled burn</li><li>• The techniques used to introduce an accelerated control burn</li><li>• The techniques that can be used in conjunction with a controlled burn</li></ul> |



### Practical application



**Control measure element**

**Learning outcome**

Controlled burning

Demonstrate the ability to:

- Use equipment to accelerate burning in line with service procedures
- Protect surroundings during a controlled burn



## Control measure - Containment

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Containment

Understand:

- The need for containment of polluting liquids including fire water run-off
- When containment tactics should be implemented
- The hierarchy of containment tactics and equipment
- How to identify site drainage
- The importance of drainage plans
- The difference between discharges to surface and foul water
- How to identify an oil separator and pollution control features

#### Practical application

**Control measure element**

**Learning outcome**

Containment

Demonstrate the ability to:

- Apply the environmental protection hierarchy to contain fire water run-off and other polluting liquids
- Communicate risk information to relevant agencies



## Control measure - Recycling

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### TRAINING SPECIFICATION

#### Knowledge and understanding

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| Control measure element | Learning outcome  |
|-------------------------|---|
| Recycling               | <p>Understand:</p> <ul style="list-style-type: none"><li>• The effects of recycling fire water run-off</li><li>• That materials within concentrated fire water run-off may preclude its use as an extinguishing agent</li><li>• The need to seek advice when disposing of recycled fire water run-off</li><li>• The health risks associated with fire water run-off</li></ul> |



#### Practical application

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| Control measure element      | Learning outcome   |
|------------------------------|--|
| Recycling fire water run-off | <p>Demonstrate the ability to:</p> <ul style="list-style-type: none"><li>• Use appropriate equipment when recycling fire water run-off</li><li>• Apply appropriate techniques for recycling fire water run-off</li><li>• Use appropriate control measures to mitigate the effects of fire water run-off</li><li>• Apply an appropriate process for disposal of concentrated fire water run-off</li></ul> |



## Control measure - Reduction

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## TRAINING SPECIFICATION

### Knowledge and understanding

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#### Control measure element

#### Learning outcome

|           |   |
|-----------|---|
| Reduction | <p>Understand:</p> <ul style="list-style-type: none"> <li>• How to reduce the amount of firewater run-off at an incident</li> <li>• How to use tactics to reduce fire water run-off without increasing the risk of fire spread or affecting safety</li> </ul> |
|-----------|---|

### Practical application

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#### Control measure element

#### Learning outcome

|  |   |
|--|---|
| Using reduced quantities of water at an incident | <p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> <li>• Apply a reduced 'use of water' strategy without significantly increasing risk of fire spread</li> </ul> <p>Refer to <a href="#">Control measure – Controlled burn</a></p> <p>Refer to <a href="#">National Occupational Guidance: Fires and firefighting- Select the appropriate firefighting technique</a></p> |
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## Control measure - Disposal

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## TRAINING SPECIFICATION

### Knowledge and understanding



**Control measure  
element**

**Learning outcome**

Disposal

Understand:

- The requirement to dispose of pollutants including fire water run-off produced at an incident legally and responsibly
- How to identify who is responsible for the disposal of waste at an incident
- The options available to a fire and rescue service to dispose of waste produced at an incident
- The need to inform relevant authorities as early as practicable

**Practical application**

**Control measure element**

**Learning outcome**

Disposing of fire water run-off

Demonstrate the ability to:

- Identify and communicate with the person responsible for disposal of fire water run-off
- legally and responsibly dispose of fire water run-off



## Control measure - Operational risk information plan

### TRAINING SPECIFICATION

#### Knowledge and understanding



**Control measure element**

**Learning outcome**

Operational risk information plan

Understand:

- How to use an environmental risk assessment within operational risk plans
- The actions necessary when a risk to the environment has been identified

Refer to Incident command training specification –  
Situational awareness

**Practical application**

**Control measure element**

**Learning outcome**

Operational risk information plan

Demonstrate the ability to:

- Identify pollution prevention information from site specific plans
- Implement environmental protection measures identified in operational risk plans
- Monitor and minimise the impact of fire service tactics on the identified environmental risk
- Assess and monitor the effectiveness of fixed installations and pollution prevention measures



## Control measure - Site-Specific Risk Information (SSRI)

### TRAINING SPECIFICATION

#### Knowledge and understanding

**Control measure element**

**Learning outcome**

Site-Specific Risk Information Plan

Refer to Operations training specification





**Practical application**

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**Control measure element**

**Learning outcome**

Site-Specific Risk Information Plan

Refer to Operations training specification



**Control measure - Emergency response plans**

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**TRAINING SPECIFICATION**

**Knowledge and understanding**

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**Control measure element**

**Learning outcome**

Emergency response plans

Refer to Operations training specification

**Practical application**

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**Control measure element**

**Learning outcome**

Emergency response plans

Refer to Operations training specification