



National
Operational
Guidance

Hazard

Fire water run-off



NFCC
National Fire
Chiefs Council

Developed and maintained by the NFCC



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Hazard - Fire water run-off

Knowledge and understanding

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



Control measure - Controlled burning

TRAINING SPECIFICATION

Knowledge and understanding

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

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

TRAINING SPECIFICATION

Knowledge and understanding

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

Practical application

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



Control measure - Reduction



TRAINING SPECIFICATION

Knowledge and understanding

Control measure element

Learning outcome

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

Practical application

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"> • Apply a reduced 'use of water' strategy without significantly increasing risk of fire spread <p>Refer to Control measure – Controlled burn Refer to National Occupational Guidance: Fires and firefighting- Select the appropriate firefighting technique</p> |
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Control measure - Disposal

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 | <p>Understand:</p> <ul style="list-style-type: none"> • How to use an environmental risk assessment within operational risk plans • The actions necessary when a risk to the environment has been identified <p>Refer to Incident command training specification – Situational awareness</p> |
|-----------------------------------|--|

Practical application

Control measure element

Learning outcome

| | |
|-----------------------------------|--|
| Operational risk information plan | <p>Demonstrate the ability to:</p> <ul style="list-style-type: none"> • 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 |
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Practical application

Control measure element

Learning outcome

Site-Specific Risk Information Plan

Refer to Operations training specification



Control measure - Emergency response plans

TRAINING SPECIFICATION

Knowledge and understanding

Control measure element

Learning outcome

Emergency response plans

Refer to Operations training specification

Practical application

Control measure element

Learning outcome

Emergency response plans

Refer to Operations training specification