



**Hampshire
& Isle of Wight**
FIRE & RESCUE SERVICE

Information Compliance Team
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Sent by email to:

[REDACTED]

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Date: 28 June 2023

Our Reference: FOI 017 23-24

Enquiries to: Information Compliance Officer

Freedom of Information Act 2000

Dear [REDACTED]

We are writing in respect of your application for the release of information held by the Service, which we received on 4 May 2023. We can confirm that we have now completed our search for the information requested.

You asked:

1. *Any information on Smoke, looking mainly at the different components and toxins that are present in it.*

Our answer:

We teach about smoke, but we call it the unburnt products of combustion rather than smoke. We teach about the main components being Carbon Monoxide, Hydrogen Sulphide and Hydrogen Cyanide. We also cover the limits of flammability for fire gases, comparing them to Acetylene.

You asked:

2. *Your routines on dealing with different fires. With this I won't need to go to in depth. In the Navy we deal with the common oil based, electrical and carbonatious which our routine is basically the same, once all electrics have been isolated, we just pump as much water in as we can to extinguish the fire. When speaking to someone at the firefighting school for the Navy, he mentioned that there is a more established method*

by using the water to cool down the smoke and drench it which is what I want to confirm and go into why this routine has been adopted over what the Navy tends to do.

Our answer:

We have multiple ways of dealing with fires, depending on the situation, most involve water, but here is the list of tactics we can use.

- High Pressure Hose Reel (120lpm @ 14Bar) – lots of our internal Firefighting is done this way – Class A fires, can be used on Class B if high enough pressure
- Traditional 45mm/70mm hose with a hand controlled branch – Class A fires
- Ultra High Pressure Lance (UHPL) – Cobra Coldcut – Class A fires
- Compressed Air Foam System (CAFS) used foam and air to provide wet or dry CAF and prolong the water carried – Class A & B
- LX Foam via 5X or Delta Prima – Class A & B
- Foam Extinguisher – Class A & B
- DP extinguishers – Class A & B

Class A fires involve those including organic solids, such as paper and wood. Class B fires involve flammable liquids.

Any future correspondence with Hampshire and Isle of Wight Fire and Rescue Service in relation to this matter should be sent to the Information Compliance Officer at the above address.

If for whatever reason you are unhappy with our response you may request an internal review by contacting DP@hantsfire.gov.uk or by writing to the Data Protection Officer at the above address.

Should you remain dissatisfied you can appeal against the internal review decision by contacting the Information Commissioners Office. This can be done online at www.ico.org.uk/foicomplaints or by post to The Information Commissioner, Wycliffe House, Water Lane, Wilmslow SK9 5AF.

Yours sincerely

Information Compliance Officer
Hampshire and Isle of Wight Fire and Rescue Service