
H5 Bulk Flammable Liquids (NCI 31)

Purpose

This document provides for:

- safe and effective operations at incidents involving bulk flammable liquids.

Requirements for Bulk Flammable Liquids

Executive Officers' responsibilities

Chief Fire Officers will issue a procedure on bulk flammable liquid incidents, when it is relevant for their Fire District.

Fire Region Manager will ensure that every Fire District in the Fire Region has a procedure in accordance with this instruction, when relevant.

Local procedures

When applicable, local procedures will take into account fires or spillages in connection with:

- storage complexes
- pipelines
- well heads and processing plants
- flammable liquids in transit
- emergency response plans, as required by the *Hazardous substances (Emergency Management) Regulations 2001*.

The procedure will include:

- current NFPA 11 standards for foam application rates
- management of resources, including foam concentrate supplies
- environmental protection planning
- existing national and local agreements.

Procedures for Bulk Flammable Liquids

Operations

Consider:

- pre-determined response and automatic upgrading to a greater alarm
- evacuation
- liaison with other organisations
- water supplies
- effect on the environment
- topographical and climatic features
- media statements.

Firefighting

Consider:

- extinguishing and/or cooling
- protecting exposures
- extinguishing ground fires before attacking the contents of a tank.

Spillages

Consider:

- isolating ignition sources
- foam blanket
- containment/run-off
- decontamination
- disposal.

Hazard Identification and Control: Bulk Flammable Liquids

All hazards will be controlled by eliminating, isolating where elimination is impracticable, or minimising, using one or more of the control methods in the following table:

Hazards	Control measures
Firefighting	
<i>Significant hazards:</i> <ul style="list-style-type: none"> • personnel working in bunded areas • slop over or boil over 	<ul style="list-style-type: none"> • all personnel will be trained in the conditions to be encountered and the safe practices required when working at incidents involving bulk flammable liquids • pre-planning and risk assessment • NZFS personnel will be briefed on the plan of action and safety measures • no personnel in bunded area • appoint safety officers
Spillages	
<i>Significant hazards:</i> <ul style="list-style-type: none"> • ignition of split fuel • contamination of personnel, uniform or equipment 	<ul style="list-style-type: none"> • all personnel will be trained in the conditions to be encountered and the safe practices required when working at incidents involving bulk flammable liquids • pre-planning and risk assessment • NZFS personnel will be briefed on the plan of action and safety measures • no personnel in bunded area • appoint safety officers • identify and control ignition sources • personnel will not work in the area of spilt fuel • apply foam blanket • decontaminate as appropriate