



# Bitumen - Managing the Risks



## Domestic Fees

\$795 + GST per person



## International Fees

\$795 + GST per person



## Intakes

12/06/2026

31/07/2026



## Campus

Christchurch  
Auckland



## Duration

1 day



[nziht.co.nz](https://nziht.co.nz)



This is an essential risk awareness course targeted at managers, engineers and supervisors involved in managing businesses or operations that include the storage, production and transport of bituminous materials; and road surfacing works. A separate course "Bitumen - Basic Safety" is intended for all others involved in the road surfacing industry.

It is absolutely essential that all those involved in managing or supervising bituminous operations or businesses, fully understand the significant hazards presented by the materials, related plant and equipment, the legislative requirements imposed and the due diligence procedures required to adequately manage the many risks involved.

This one day course is designed to help managers comply with Health and Safety responsibilities.

## Topics Include

- The CCNZ Best Practice Guideline BPG01
- Health and Safety - summary of risks
- Safety legislation - personal responsibility of managers
- Importance of appropriate training
- Hazards of bitumen plants and hot-mix plants
- Hazards associated with field operations
- Dangers of water
- Managing bitumen burns and chemical burns incidents
- Dangerous Goods and Hazardous Substances - management responsibilities
- Explosion hazards, empty tank hazards
- Plant maintenance hazards, spillage precautions
- Managing fire risk
- Miscellaneous associated hazards encountered in the road surfacing industry

## On completion of this course

NZIHT reserves the rights to withdraw or adjust programmes, alter start date or fee schedules, and make any other changes as it may deem desirable or necessary, without prior notice. All programmes are subject to a sufficient number of enrolments and completion of all approval and accreditation requirements.

NZIHT and this programme are part of Te Pūkenga – New Zealand Institute of Skills and Technology

Last updated: 24 October 2025

## participants will

- Identify basic hazards associated with bitumen and hotmix asphalt activities and understand what "due diligence" means with respect to managing these hazards
- Identify specific hazards and safety procedures associated with the handling, blending, transportation and spraying of bitumen and emulsion and the production and laying of hot-mix asphalt
- Recognise hazards involved in the maintenance and repair of bitumen equipment, especially tanks and tankers
- Understand principles of fire-fighting with extinguishers
- Understand the principles of managing a bitumen burns incident and the first aid treatment for bitumen burns and chemical burns

## Who should attend

All senior management, middle management and supervisory personnel whose responsibilities are related to bitumen emulsion, hot mix, bitumen equipment or any related activities.

## What is the difference between 'Bitumen - Basic Safety' and 'Bitumen - Managing the Risks'?

The "Bitumen - Managing the Risks" course differs from the [Bitumen – Basic Safety course](#), in that it is aimed specifically at managers and looks at the management and due diligence issues associated with bitumen related risks.



### ADDITIONAL INFORMATION

Minimum numbers apply before a course is confirmed