

# LNG Road Tanker Emergency Operational Guidelines



## NATURAL GAS

- Natural Gas is odourless, colourless, non-corrosive, non-toxic, and lighter than air so it dissipates quickly
- Mercaptan is added to give it a rotten egg smell
- Natural gas ignites only when the gas to air ratio is between 5% and 15%

## LNG

- LNG is **clear, odourless, colourless**, and cooled to -162° Celsius
- LNG is a cryogenic liquid, and is not pressurized like CNG
- Spilled LNG will evaporate into odourless natural gas

**CAUTION – liquefied natural gas (UN 1972) IS NOT ODORIZED**

**Notify FortisBC of any LNG road tanker emergency 1-877-889-2002  
DO NOT attempt to move the tanker or operate the equipment prior to  
an inspection by a FortisBC LNG Subject Matter Expert**



## FortisBC Tanker Specifications

**NOTE: Not all tankers transporting LNG around the province are owned and operated by FortisBC.**

### ISO Unit



### Alloy Custom Tanker T3



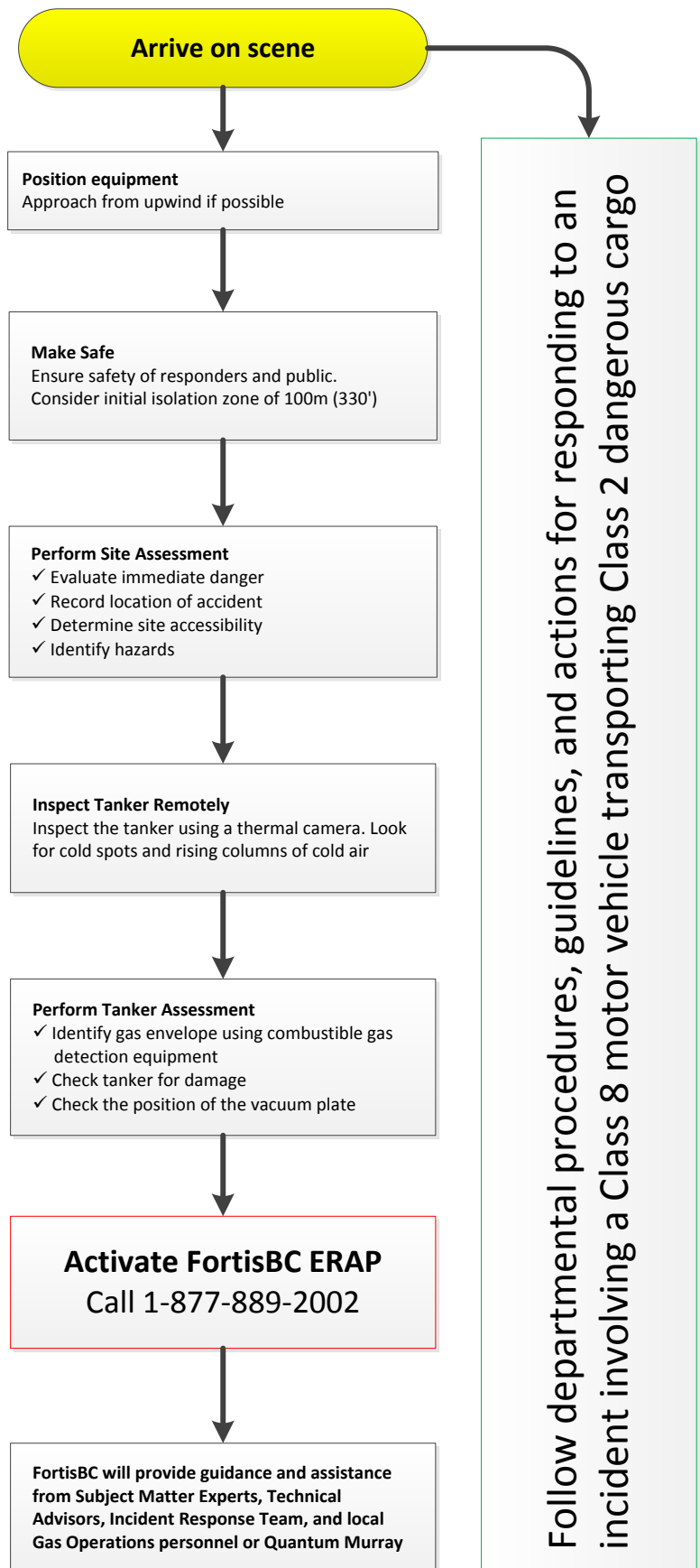
### Specifications

	ISO Unit	Alloy Custom Tanker T3
Length	40 feet 7 inches	49 feet 3 inches
Height	150 inches	151 inches
Tare Weight	32,617 lbs.	25,940 lbs.
Width	8 feet	8 feet
Max Cargo Weight	37,825 lbs	40,227 lbs.
Max GVW	76,200 lbs.	68,000 lbs.
Tank Volume	12,162 US Gallons	12,880 US Gallons
Outer Tank	Carbon Steel	Carbon Steel and Stainless Steel
Inner Tank	SA 240 Type 201 Stainless Steel	SA 240 Type 304 Stainless Steel
Max. Working Pressure	114 PSI	70 PSI
Relief Valves	Two Mains—114 psi	Mains—70psi, Secondary—105 psi
Road Relief	No	No
One Way Travel Time	2280 Hours (95 Days)	636 Hours (26.5 Days)

## LNG Transportation Emergency Operational Guidelines

These procedures are to be used when responding to an incident involving a tanker transporting Liquefied Natural Gas (LNG)

These operational guidelines are not to supersede existing department procedures and are meant as suggested actions not explicit instructions



**These Operational Guidelines are suggested actions only. Each incident must be evaluated separately and then responded to safely, using appropriate methods and procedures. FortisBC guidelines do not supersede your departmental procedures.**