

Q18. Please provide further information regarding vapour cloud ignition distances at the incident in Cleveland, Ohio in 1944, if available.

Answer to Q18

The LNG ignited almost immediately following leakage from the LNG tanks as quoted from page 3 of the US Bureau of Mines Report #R.I. 3867 of February 1946:

“Eye witnesses of the initial stages of the failure of the tank reported that streams of liquid or fog issued from its side and that almost immediately the tank opened and discharged its entire Contents of liquefied natural gas over the plant area and adjoining property at a lower elevation. The gas or vapor was ignited almost immediately after failure of the tank.”