

**Supplementary information presented to An Bord Pleanála for the Corrib gas pipeline application by Phil Crossthwaite, DNV**

A question was raised regarding a hazard range quoted in a 2004 DNV report on the risks from the Bellanaboy Gas Terminal. The value quoted (301m) was in Appendix VIII, Table VIII.I entitled Scenarios and Consequence Information, stream no 100, in the column headed 'Distance to  $6\text{kW}/\text{m}^2$  or 1000TDU'. This distance represents the 'safe distance', from one of the scenarios used in the QRA of the terminal (failure of the line between the shutdown valve at the end of the pipeline and the slugcatcher). The calculation which determined 301m is similar to the calculations carried out for the proposed pipeline in that it represents a distance from an immediately ignited release to give a fireball. The calculation in the 2004 report, however, only considered the fireball, and there was no movement away from the fireball. The calculations for the pipeline QRA considered both the fireball and the jet flame that is formed after the fireball and movement away from the flame. The equivalent distance for the proposed pipeline is 290m (as presented to An Bord Pleanála as supplementary information on pipeline route maps).