

## Public safety and security of the Corrib onshore pipeline system

The security review of the Corrib gas pipeline has assessed that the gas pipeline is safe from foreseeable intentional third party damage that could cause loss of containment because of the depth of burial, the presence of the intruder detection and response capability and the 27.1 mm wall thickness rendering through wall failure very unlikely.

The water discharge pipeline clearly poses no risk to the public and is buried at a depth of 1.4 metres.

The onshore umbilical which is buried at a depth of 1.6 metres poses no public safety risk even in the event of successful intentional third party damage (although there would be a risk to the person carrying out the damage) as has been demonstrated in Appendix Q4.5, Section 3.2, which analysed the consequences of failure of the umbilical and identified that the pressure in the gas pipeline system would remain within the MAOP in such an event.

In the light of an unsuccessful effort to dig down to the pipeline at the beach at Glengad which occurred on the 5th of June 2010, an unforeseen security of supply concern has arisen should the umbilical be damaged by intentional third party interference. SEPIL is offering for An Bord Pleanála's consideration an additional possible modification which would enhance the security of supply of Corrib gas, which is considered a strategic asset. We reiterate that damaging of the umbilical would not result in a release of gas from the pipeline.

The possible modification is the extension of pre-cast concrete slabs over the umbilical as shown in the attached drawing, on that portion of the onshore pipeline route east of the LVI and located outside of the tunnel, in addition to those areas already proposed under the L1202 road and watercourses.

The system to the west of the LVI is secure due to the greater depth of burial and the fact that the umbilical is armoured and enclosed in a conduit.