

1. Where in EIS/QRA can I find the exact tank dimensions and also dimensions of bund area?

The tank design for Shannon LNG is the full containment type. This is defined in Section 3.3.5.3 of NFPA 59A, 2006 edition, as [Annex H of EN 1473:2007 contains an example tank transect, but no definition]:

"A container in which the inner (primary) container is surrounded by a secondary container designed to contain LNG in the event of a spill from the inner container and where the secondary container is enclosed by a steel or concrete roof [the Shannon design includes a concrete roof] designed such that excess vapor caused by a spill of LNG from the primary container will discharge through the relief valves."

Based on this definition, the concrete secondary container of each tank is the inner (primary) container's bund.

Drawing number 157793-000-CV-DR-C201, Revision D1, General Arrangement Elevation 200,000 CU.M LNG Tank Low Profile (provided in Planning Drawing Package and also available at www.shannonlngplanning.ie/files/PlanningDrawings/LNGTankAndJettyDrawings/C201.pdf) shows a cross section of the Shannon LNG full containment tank design, with dimensions shown in millimetres. The main tank dimensions are provided below for reference:

Description	Dimension (mm)	Dimension (m)
Diameter of inner (primary) container	92,000	92
Height of inner (primary) container	34,365	36.365
Internal diameter of concrete secondary container (i.e. bund diameter)	94,000	94
Outer diameter of concrete secondary container	95,600	95.6
Height of concrete secondary container (i.e. bund height) from grade to top of vertical wall section	37,550	37.55