

SAGE AND BERYL PIPELINES TECHNICAL SPECIFICATION

Gas entry specifications

The following entry specification represents the physical limits of the SAGE and Beryl pipeline

Water content	less than 63 ppm by volume (notes 1 & 2)
Carbon Dioxide (CO ₂)	less than 22 mol%
Oxygen content	less than 7 ppm by volume
Sulphur content	H ₂ S -less than or equal to 500 ppm by volume
C ₂ -C ₁₂ fraction	10.67-21.82 % mol taken from design basis there is a similar spec in table 3.4 of the design premise for the pipeline
Maximum allowable operating pressure	173.4 Bara
Cricondenbar pressure	less than or equal to 106 Bara
Sediment / metals	Nil
Mercaptans	Nil
Mercury	Nil
Duodecans	Nil
Temperature	50° C max
Contaminant	Free from radioactivity, odours (Note 3), other noxious contaminants such as corrosion inhibitors, flow enhancers alcohol/glycols, hydrate inhibitors, emulsion breaking or stabilizing elements or other substances without prior approval from SAGE Operator or Beryl Pipeline Operator

Note 1: Offshore high water content alarm set at water content = 42 ppm v

Note 2: Offshore trip set at water content = 63 ppm v

Note 3: As determined by nationally recognised standards

Note that SAGE Terminal gas entry specification is tighter than the SAGE pipeline entry specification to reflect terminal constraints