

## ABBREVIATIONS

ALARP	As Low As Reasonably Practicable
ALOHA	Aerial Locations of Hazardous Atmosphere
BLEVE	Boiling Liquid Expanding Vapour Cloud Explosion
CCPS	Center for Chemical Process Safety
CFD	Computational Fluid Dynamics
CNG	Compressed Natural Gas
CPR	Center for Prevention of Disaster
CPQRA	Chemical Process Quantitative risk analysis
CVCE	Confined Vapour Cloud Explosion
EGIG	European Gas Incident Pipeline Data Group
EPA	Environmental Protection Agency
ESDV	Emergency Shut Down Valve
ETA	Event Tree Analysis
E&P	Exploration and Production
FMEA	Failure Mode Effects Analysis
FMECA	Failure Mode Effects Criticality Analysis
FRED	Fire, Release, Explosion, Dispersion modelling
FTA	Fault Tree Analysis
HAZAN	Hazard Identification
HAZCON	Hazard Identification Construction
HCR	Hydro Carbon Release
HCRD	Hydro Carbon Release Database
HIRA	Hazard Identification and Risk Assessment
ICI	Imperial Chemical Industries Limited
IR	Individual Risk
IRPA	Individual Risk Per Annum
JSA	Job safety Analysis

LEL	Lower Explosive Limit
LFL	Lower Flammability Limit
LNG	Liquefied Natural Gas
LOC	Loss of Containment
LOPA	Layer of Protection Analysis
LOTO	Log Out and Tag Out
LPG	Liquefied Petroleum Gas
LSIR	Location Specific Individual Risk
MCLS	Maximum Credible Loss Scenarios
MMSCMD	Million Metric Standard Cubic Meter Per Day
MOC	Management Of Change
MSV	Manual Safety Valve
NFPA	National Fire Protection Association
OREDA	Offshore Reliability Data Book
OGP	Oil & Gas Producers Association
PCAM	Parts count Approach Method
PHA	Process Hazard Analysis
PHAST	Process Hazard Analysis Software Tool
PPE	Personal Protective Equipment's
PPM	Parts Per Million
P&ID	Process and Instrumentation Diagram
QRA	Quantitative Risk Assessment
SAFOP	Electrical System Safety Operability Review
SIP	Shelter in Place
SR	Societal Risk
STEL	Short Time Exposure Limits
TLV	Threshold Limit Value
UFL	Upper Flammability Limit
UVCE	Unconfined Vapor Cloud Explosion
VCE	Vapor Cloud Explosion