

## Units and Abbreviations

### Units

%	Percent
%AAC	Absolute Area Coverage
%CV	Low Coefficient of Variation
µg	Micrograms
µg/g	Micrograms per gram
µg/l	Micrograms per litre
µg/m <sup>3</sup>	Micrograms per cubic meter
µm	Micrometer
µPa	Micro Pascal
~	Approximately
°C	Degrees Celsius
"	Inches
+/-	Plus/minus
<	Less than
>	Greater than
‰	Parts Per Thousand
3D	Three dimensional
1Q	Quarter one (of year)
2Q	Quarter two (of year)
3Q	Quarter three (of year)
4Q	Quarter four (of year)
B	Billion
barg	1 bar (gauge) = 14.5 psi
bbl	Barrel (6.2898 barrels = 1 m <sup>3</sup> )
Bbls/day	Barrels per day
Bcma	Billion cubic metres per annum
Bstb	Billion standard barrels
cm	Centimetre
cm/s	Centimetres per second
cm/year	Centimetres per year
cm <sup>3</sup>	Cubic centimetre
dB	Decibel
dB (A)	A weighted unit of sound intensity weighted in favour of frequencies audible to the human ear
dB <sub>ht</sub>	A measurement of sound that relates to its potential for an adverse effect by accounting for inter-species differences in hearing ability.
dB <sub>L<sub>AEQ</sub></sub>	Sound pressure level
dB re. 1 µPa	Decibels relative to one micropascal
g/l	Grams per litre
g/m <sup>3</sup>	Grams per cubic metre
ha	Hectare
HP	Horsepower
h	Hour
hr	Hour
kg	Kilograms
km	Kilometre
km <sup>2</sup>	Square kilometre
Knots	Measurement of wind speed ( 1 Knot = 0.514 m/s)
Kt	Thousand tonnes
ktonne	Thousand tonnes
kV	Kilovolt
kVA	Kilovolt- ampere
kW	Kilowatts
L	Litres

LC <sub>50</sub>	Lethal Concentration 50. The concentration of a chemical which kills 50% of a sample population.
Litres/Day	Litres per day
m	Metres
M	Million
mAOD	Metres above ordinance datum
m/s	Metres per second
m <sup>2</sup>	Square metres
m <sup>3</sup>	Cubic metres
m <sup>3</sup> /m <sup>3</sup>	Cubic metres per cubic metre ratio
m <sup>3</sup> /min	Cubic metres per minute
m <sup>3</sup> /day	Cubic metres per day
m <sup>3</sup> /hour	Cubic metres per hour
m <sup>3</sup> /hr	Cubic metres per hour
m <sup>3</sup> /person/day	Cubic metres per person per day
m <sup>3</sup> /s	Cubic metres per second
Mbd	Thousand barrels per day
mg/kg	Milligrams per kilogram
mg/l	Milligrams per litre
mg/Nm <sup>3</sup>	Milligrams per cubic meter (at normal conditions)
min	Minutes
ml	Millilitres
mm	Millimetres
Mm <sup>3</sup>	Million cubic metres
MMscf	Million standard cubic feet
MMscfd	Million standard cubic feet per day
MPN	Most Probable Number
MPN/100ml	Most Probable Number per 100 millilitres
mS/cm	Milli siemens per centimetre
MW	Megawatt
ng/g	Nanogram per gram
nV/m	Nano Volts per metre
pH	-log <sub>10</sub> [H <sup>+</sup> ] (Measure of acidity or alkalinity)
PM <sub>10</sub>	Particulate matter measuring 10µm in diameter
ppb	Parts per billion
ppbv	Parts per billion by volume
ppm	Parts per million
PSI	Pounds per square inch
rain/month	Rain per month
Tcf	Trillion cubic feet
tonnes/day	Tonnes per day
US\$	US dollars
US\$M	US dollars (Millions)
V/m	Volt per metre

### Chemical Elements and Compounds

As	Arsenic
Ba	Barium
BTEX	Benzene, toluene, ethylbenzene, xylene
Cd	Cadmium
CH <sub>4</sub>	Methane
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
Cr	Chromium
Cu	Copper
Fe	Iron
H <sub>2</sub> S	Hydrogen Sulphide
Hg	Mercury
HNO <sub>3</sub>	Nitric Acid
KCl	Potassium Chloride

MEG	Mono Ethylene Glycol
Mn	Manganese
NO	Nitrogen Oxide
NO <sub>2</sub>	Nitrogen Dioxide
NO <sub>x</sub>	Nitrogen Oxides
NPD	Naphthalenes, phenanthrenes and dibenzothiophenes
PAH	Polycyclic aromatic hydrocarbons
Pb	Lead
PCB	Polychlorinated biphenyls
PHB	Pre Hydrated Bentonite
SO <sub>2</sub>	Sulphur Dioxide
SO <sub>x</sub>	Sulphur Oxides
Zn	Zinc

## Abbreviations

A	Autumn
AA LDHI	Anti Agglomerate Low Dosage Hydrate Inhibitors
AAC	Absolute Area Coverage
ACG	Azeri Chirag Guneshli
ACQUIRE	Access, Quality, and Use in Reproductive Health
AFFF	Aqueous Film Forming Foam
AGT	Azerbaijan Georgia Turkey
AIOC	Azerbaijan International Oil Company
AMEA	Academy of Sciences of Azerbaijan
AMSA	Australian Maritime Safety Authority
ANAS	Azerbaijan National Academy of Sciences
AR-AFFF	Alcohol Resistant Aqueous Film Foaming Foam
ATA	Amec-Tekfen-Azfen
AZE	Alliance for Zero Extinction
AzerNIIRKH	Azerbaijan Scientific Research Institute of the Fishing Industry
AZN	Azeri Currency (manats)
AzRDB	Azerbaijan Red Data Book
AzSPU	Azeri Strategic Performance Unit
BC	Before Christ
BDJF	Baku Deep Water Jacket Factory
BGL	Below Ground Level
BIV	Barrier Isolation Valve
BO	Blow Out
BOD	Biological Oxygen Demand
BOP	Blow Out Preventer
BP	British Petroleum
BPEO	Best Practicable Environmental Option
BS	British Standard
BSi	British Standard Institute
BTC	Baku Tbilisi Ceyhan
C&WP	Compression and Water Injection Platform
CA	Central Azeri
CARs	Corrective Action Requests
CCSCP	Condensate and Chemical Spill Contingency Planning
CDV	Canine Distemper Virus
CEFAS	Centre for Environment, Fisheries and Aquaculture Science
CHARM	Chemical Hazard Assessment and Risk Management
CHBS	Cultural Heritage Baseline Survey
CICAD	Concise International Chemical Assessment Document
CIIP	Condensate Initially In Place
CIP	Community Investment Programme
CITES	Convention on International Trade in Endangered Species of Wild Fauna and Flora
CIV	Chemical Injection Valve

COD	Chemical Oxygen Demand
COP	Chirag Oil Project
CPS	Country Partnership Strategy
CSC	Caspian Shipyard Company
CSD	Cutter Suction Dredger
CTZ	Current Transfer Zones
CV	Coefficient of Variation
CVP	Capital Value Process
CWAA	Central Waste Accumulation Area
DBA	Derrick Barge Azerbaijan
DCV	Directional Control Valve
DDT	Dichlorodiphenyltrichloroethane
DEH	Direct Electrical Heating
DMRB	Design Manual for Roads and Bridges
DPRAB	Department on the Protection and Reproduction of Aquatic Bioresources
DSV	Dive Support Vessel
DWG-DUQ	Deep Water Gunashli Drilling, Utilities and Quarters
DWG-PCWU	Deep Water Gunashli Production, Compression, Water Injection & Utilities
E&P Forum	Exploration and Production Forum
E&S	Environmental and Social
EA	East Azeri
EBSAs	Ecologically & Biologically Significant Areas
EC	European Commission
EC <sub>50</sub>	The statistical estimate of the toxicant concentration that has an adverse effect on 50% of the test organisms after a specific exposure time.
EDTP	Enterprise Development and Training Programme
EIA	Environmental Impact Assessment
EIW	Early Infrastructure Works
EMP	Environmental Monitoring Programme
EMS	Environmental Management System
EMTAG	Environmental Monitoring Technical Advisory Group
EN	East North
ENP	European Neighbourhood Policy
EOP	Early Oil Project
EPS	Environmental Protection Standards
EQS	Environmental Quality Standards
ERA	Environmental Risk Assessments
ERM	Environmental Resources Management
ERMP	Employee Relations Management Plan
ERP	Emergency Response Plan
ES	East South
ESAS	Environmental and Social Advisory Services
ESC	Environmental Sub-Committee
ESD	Emergency Shut Down
ESIA	Environmental and Socio-Economic Impact Assessment
ESMMP	Environmental and Social Management and Monitoring Plan
ESMS	Environmental and Social Management System
ETN	Environmental Technical Note
EU	European Union
FAO	Food and Agricultural Organisation of the United Nations
FCG	Flooding, Cleaning and Gauging
FFD	Full Field Development
FGR	Flare Gas Recovery
FOC	Foreign Oil Company
FTA	Flowline Termination Assemblies
GDP	Group Defined Practice
GHG	Greenhouse Gases
GIIP	Gas Initially In Place
GOST	<i>Gosudarstvennyye Standarty</i> State Standard (Russian standard)
GP	General Practitioner

GRP	Group Recommended Practice
HBV	HIPPS Barrier Valve
HBV	HIPPS Bypass Valve
HIPPS	High Integrity Pressure Protection System
HMCS	Harmonised Mandatory Control System
HOCNF	Harmonised Offshore Chemical Notification Format
HOCNS	Harmonised Offshore Chemical Notification Scheme
HP	High Pressure
HSE	Health, Safety & Environment
HSSE	Health Safety Security and Environment
HUC	Hook-Up and Commissioning
HVAC	Heating, Ventilation and Air-Conditioning
IADC	International Association of Drilling Contractors
IAGC	International Association of Geophysical Contractors
IBAs	Important Bird Areas
ICES	Chartered Institution of Civil Engineering Surveyors
ICG	International Crisis Group
ID	Internal Diameter
IDPs	Internally Displaced Persons
IEMP	Integrated Environmental Monitoring Programme
IFC	International Finance Corporation
IIED	International Institute for Environment and Development
ILE	Institute of Lighting Engineers
ILI	In Line Inspection
IoAE	Institute of Archaeology and Ethnography
IPA	Important Plant Areas
ISO	International Organization for Standardization
IUCN	International Union for the Conservation of Nature
KBAs	Key Biodiversity Areas
KPI	Key Performance Indicator
Laeq	Equivalent average sound level
LAO	Linear Alpha Olefin
LC <sub>50</sub>	Lethal Concentration 50%. The concentration of a chemical which kills 50% of a sample population
LCAR	Living Conditions Assessment Report
LCM	Loss Control Materials
LMF	Labour Management Forum
LoD	Limit of Detection
LoF	Life of Field
LOMS	Local Operating Management System
LP	Low Pressure
LTFV	Lifting Transportation Freezer Vessel
LTMOBM	Low Toxicity Mineral Oil Based Mud
LTOBM	Low Toxic Oil Based Mud
LTV	Lifting Transportation Vessel
LWA	Sound Power Level
MARPOL	International Convention for the Pollution of Prevention by Ships, 1973, as modified by the Protocol of 1978
MChS	Ministry of Emergency Situations
M&E	Monitoring and Evaluation
MEG	Mono Ethylene Glycol
MENR	Ministry of Ecology and Natural Resources
MIA	Ministry of Internal Affairs
MoCT	Ministry of Culture and Tourism
MODU	Mobile Oil Drilling Unit
MPC	Maximum Permissible Concentration
MPE	Maximum Permissible Emissions
MPN	Most Probable Number
MRS	Mud Recovery Systems
MSD	Marine Sanitation Device

MSDS	Material Safety Data Sheet
MSL	Mean Sea Level
Mt	Mount
MTP	Marine Transport Police
MW	Megawatt
N/A	Not Applicable
NCRs	Non-conformance reports
NDT	Non Destructive Testing
NF	Northern Flank
NGL	Natural Gas Liquids
NGO	Non Government Organisation
NICO	Naftiran Intertrade Company
NMVOC	Non-methane Volatile Organic Compounds
Non GHG	Non Greenhouse Gases
NPL	National Physics Laboratory
NRV	Non Return Valve
NT	Near Threatened
OAO	Open Joint-Stock Company
OCNS	Offshore Chemical Notification Scheme
OSPAR	Oslo and Paris Convention for the Protection of the Marine Environment of the North East Atlantic
OSRL	Oil Spill Response (Ltd)
OSRP	Oil Spill Response Plans
PAH	Poly Aromatic Hydrocarbons
PBC	Piggyback Cable
PBU	Pressure Build Up
PCA	EU-Azerbaijan Partnership and Cooperation Agreement
PCDP	Public Consultation and Disclosure Plan
PEC	Predicted Environmental Concentration
PHB	Pre Hydrated Bentonite
PIMS	Pipeline Integrity Management System
PLBG	PipeLay Barge
PLONOR	Presenting Little Or No Risk to the Environment
PNEC	Predicted No-Effect Concentration
POB	Persons on Board
POSVCM	Pipeline Oil Spill Volume Estimation Model
PSA	Production Sharing Agreement
PSVs	Pressure Safety Valves
PW	Produced Water
PWD	Produced Water Disposal
Q1	Quarter One (of year)
Q3	Quarter Three (of year)
QA	Quality Assurance
QC	Quality Control
RAMSAR	Convention on the, Protection of wetlands of international importance
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RMS	Root Mean Square
RO	Reverse Osmosis
ROV	Remotely Operated Vehicle
RoW	Right of Way
SB	Seine Boat
SBM	Synthetic Based Mud
SCE	Committee of the Azerbaijan Republic on Ecology
SCM	Subsea Control Module
SCP	South Caucasus Pipeline
SCPx	South Caucasus Pipeline Expansion
SCS	Solids Circulation System
SD	Shah Deniz
SD1	Shah Deniz Stage 1
SD2	Shah Deniz Phase 2

SDA	Shah Deniz Alpha
SDB	Shah Deniz Bravo
SDB-PR	Shah Deniz Bravo Production and Risers Platform
SDB-QU	Shah Deniz Bravo Quarters and Utilities Platform
SEE	State Ecological Expertise
SEM	Subsea Electronics Module
SMA	State Marine Administration
SME	Small and Medium Enterprises
SOCAR	State Oil Company of Azerbaijan Republic
SOFAZ	State Oil Fund of Azerbaijan
SP	Spring
SPS	Shelfprojectsroi
SPS	Subsea Production System
SSES	Stakeholder and Socio-Economic Survey
SSIVs	Subsea Safety Isolation Valves
ST	Sangachal Terminal
STB-01	Name of a transportation and installation barge
STP	Sewage Treatment Plant/Package
SUM	Summer
SVOC	Semi-Volatile Organic Compounds
SWRP	Subsea Well Response Project
TAC	Total Allowable Catch
TACIS	Technical Assistance to the Commonwealth of Independent States
THC	Total Hydrocarbon Content
TOC	Total Organic Carbon
TPAO	Turkish Petroleum Corporation
TPH	Total Petroleum Hydrocarbon
TSS	Total Suspended Solids
UCM	Unresolved Complex Mixture
UK	United Kingdom
UN	United Nations
UNDP	United Nations Development Programme
UNECE	United Nations Economic Commission for Europe
UNESCO	United Nations Educational, Scientific and Cultural Organisation
UNFCCC	United Nations Framework Convention on Climate Change
UNICEF	United Nations Children's Fund
UNPFA	United Nations Population Fund
URS	URS Corporation Limited
US\$	United States Dollars
US\$M	United States Dollars (Millions)
USAID	United States Agency for International Development
USCG	United States Coast Guard
USEPA	United States Environmental Protection Agency
USSR	Union of Soviet Socialist Republics
UV	Ultra Violet
VNIRO	Russian Federal Research Institute of Fisheries and Oceanography
VOC	Volatile Organic Compounds
VU	Vulnerable
W	Winter
WAF	Water Accommodated Fraction
WB	World Bank
WBM	Water Based Mud
WF	Western Flank
WHO	World Health Organisation
WHR	Waste Heat Recovery
WHRU	Waste Heat Recovery Units
WRA	Water Resource Associates
WS	West South
WTNs	Waste Transfer Notes
ZAP	Closed Joint-Stock Company