

ABBREVIATIONS

AA	Annual Average
Al	Aluminium
Al ₂ O ₃	Alumina (Aluminium Oxide)
AlF ₃	Aluminium Fluoride
Aluminium Plant	Carbon Plant, Reduction Plant, Casthouse, Anode Service Area, and related utilities.
ASA	Anode Service Area
ASP	Anode Service Plant
BAM	Beta-Attenuation Metre
BAT(NEEC)	Best Available Techniques (Not Entailing Excessive Cost)
BC	Background Concentration
BCP	Butt Cleaning Plant
BPT	Best Practicable Technology
BRC	Background Reference Concentration
bgl	Below ground level
BOD	Biochemical Oxygen Demand
BPEO	Best Practicable Environmental Option
BREF note	Best Available Techniques Reference Document
btc	Below top of casing
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
°C	Degrees Celsius
C	Carbon
CaO	Lime (calcium oxide)
CCC	Criteria Continuous Concentration
CCP	Carbon Crushing Plant
Cd	Cadmium
CD	Chart Datum
CDM	Clean Development Mechanism
CEM	Continuous Emissions Monitoring
CH ₄	Methane
Cl ⁻	Chloride(s)
CMC	Criteria Maximum Concentration
CN	Cyanide
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
COD	Chemical Oxygen Demand
Cr (VI)	Chromium (hexavalent)

CREL	Chronic Reference Exposure Level
CSR	Corporate Social Responsibility
CWMP	Construction Waste Management Plan
Cu	Copper
dB(A)	'A' weighted decibel noise level
dBL _{Aeq}	'A' weighted energy-equivalent decibel noise level
DIV	Dutch Intervention Values
DO	Dissolved Oxygen
DRI	Direct Reduction Iron
DTV	Dutch Target Values
EC	European Commission
EI	Extrusion Ingots
EIA	Environmental Impact Assessment
EMP	Environmental Management Plan
EPC	Engineering, Procurement and Construction
EPS	Environmental Protection Standards
EQS	Environmental Quality Standard
ET	Enviro Technology
EU	European Union
F-	Fluoride(s)
FA	Foundry Alloy
FTP	Fume Treatment Plant
GDP	Gross Domestic Product
GHG(s)	Greenhouse Gas(es)
GPS	Global Positioning System
GWP	Global Warming Potential
HAL 275	Norsk Hydro Reduction Technology
HAZID	Hazard Identification
HCl	Hydrogen chloride
HF	Hydrogen fluoride
HSE	Health, Safety and Environment
HTM	Heating Transfer Medium
Hydro	Norsk Hydro ASA
g/s	Grams per second
IEA	Initial Environmental Authorisation
IFC	International Finance Corporation
ILSC	Indicative Levels of Serious Contamination
IPP	Independent Power Producer

ISQG	Interim Sediment Quality Standard
JV	Joint Venture
K	Kelvin
km	Kilometre
kV	Kilovolt
kt/yr	Thousands of tonnes per year
kPa	Thousand Pascal
l	Litre
LC-50	Lethal Concentration of a chemical which kills 50% of a sample population
L_{eq}	Unweighted energy-equivalent noise level
LNB	Low NOx Burner
l/s	Litres per second
L_{WA}	'A' weighted sound power level
m	Metre
m/s	Metres per second
m^3/s	Cubic metres per second
MAC	Maximum Allowable Concentration
MEI	Ministry of Energy and Industry
mg/kg	Milligrams per kilogram
mg/l	Milligrams per litre
mg/m^3	Milligrams per cubic metre
mg/Nm^3	Milligrams per normal cubic metre (i.e. expressed at 273K and 101.3 kPa); in the case of gas turbines, gas volumes in units of "Nm ³ " are also expressed as dry gas, at 15% O ₂ .
MIC	Mesaieed Industrial City
ml	Millilitre
MMAA	Ministry of Municipal Affairs and Agriculture
MPA	Maximum Permissible Addition
MPC	Maximum Permissible Concentration
MSm^3	Million standard cubic metres
MW	Megawatts
MWe	Megawatts electrical (electrical output)
MWth	Megawatts thermal (thermal input)
MHWTC	Mesaieed Hazardous Waste Treatment Centre
MMWDS	Mesaieed Municipal Waste Disposal Site
N	Nitrogen
Na	Sodium
Na_3AlF_6	Cryolite
NaCl	Sodium chloride (salt)

NDUV	Non-dispersive ultraviolet
NEC	No Effect Concentration
NGO	Non-Governmental Organisations
Ni	Nickel
NILU	Norwegian Institute for Air Research
Nm ³	Normal cubic metre (i.e. expressed at 273K and 101.3 kPa); in the case of gas turbines, gas volumes in units of "Nm ³ " are also expressed as dry gas, at 15% O ₂
Nm ³ /s	Normal cubic metres per second (i.e. expressed at 273K and 101.3 kPa); in the case of gas turbines, gas volumes in units of "Nm ³ " are also expressed as dry gas, at 15% O ₂
NMVOG	Non-Methane Volatile Organic Compounds
N ₂ O	Nitrous oxide
NO	Nitrogen monoxide/nitric oxide
NO ₂	Nitrogen dioxide
NO _x	Oxides of nitrogen
NTU	Nephelometric Turbidity Units
O ₂	Oxygen
O ₃	Ozone
P	Phosphorous
P	Power
PAH	Polycyclic Aromatic Hydrocarbons
Pb	Lead
PCBs	Polychlorinated Biphenyls
PCC	Petrochemical Complex
PEL	Probable Effect Level
PFC	Polyfluorocarbons
PM ₁₀	Particulate matter with an effective aerodynamic diameter of less than 10 micrometers
PM _{2.5}	Particulate matter with an effective aerodynamic diameter of less than 2.5 micrometers
POCP	Photochemical Ozone Creation Potential
PPAH	Pollution Prevention and Abatement Handbook
ppb (v) (w)	Parts per billion (volume) (weight)
ppm (v) (w)	Parts per million (volume) (weight)
ppt (v) (w)	Parts per thousand (volume) (weight)
QAFAC	Qatar Additives Company
QAFCO	Qatar Fertiliser Company
QASCO	Qatar Steel Company Ltd
Qatalum	The Hydro/QP Aluminium and Power Plant Project
QEWC	Qatar Electricity and Water Company
QNHD	Qatar National Height Datum (QNHD is ~1.3 m above Chart Datum)

QP	Qatar Petroleum
RCEP	Royal Commission on Environmental Pollution
REL	Reference Exposure Level
ROPME	Regional Organisation for Protection of the Marine Environment
RTO	Regenerative Thermal Oxidiser
S	Sulphur
SARC	Scientific and Applied Research Centre
SCENR/SCE	Supreme Council for the Environment & Natural Reserves
SAP	Socio-Economic Action Plan
SO ₂	Sulphur dioxide
SPL	Spent Potlining
SSEIA	Scoping Study for Environmental Impact Assessment Report
SWS	Seawater Scrubber
t/d	Tonnes per day
t/h	Tonnes per hour
t/yr	Tonnes per year
TNMHC	Total non-methane hydrocarbons
TOC	Total Organic Carbon
TOM	Total Organic Matter
TPH	Total Petroleum Hydrocarbons
TSS	Total Suspended Solids
TWA	Time Weighted Average
UN	United Nations
UNEP	UN Environmental Program
US EPA	United States Environmental Protection Agency
VDC	Vertical Direct Chill (Casting Machines)
VOC	Volatile Organic Compounds
WB	World Bank
WBT	Wet Bulb Temperature
WB PPAH	WB Pollution Prevention and Abatement Handbook
WHO	World Health Organisation
WMP	Waste Management Plan
ΔT	Temperature differential
µg/l	Microgrammes per litre
µg/m ³	Micrograms (one millionth of a gram) per cubic metre
µm	Micrometers
µM/l	Micromoles per litre