

Abbreviations

A

ABS	Australian Bureau of Statistics
AC	asphaltic concrete
ACARRE	Australian Centre of Advanced Risk and Reliability Engineering Ltd
ADI	Acceptable Daily Intake
AHC	Australian Heritage Commission
AHD	Australian Height Datum
ANSTO	Australian Nuclear Science and Technology Organisation
ANZECC	Australian and New Zealand Environment and Conservation Council
ARI	Average Recurrence Interval
AS	Australian Standard
ASS	Acid Sulphate Soils

B

BAT	Best Available Techniques
BGC Project	Botany Groundwater Cleanup Project
BIP	Botany Industrial Park
BLEP	Botany Local Environmental Plan 1995
BLEVE	Boiling Liquid Expanding Vapour Explosion
BOD	Biochemical (Biological) Oxygen Demand
BoM	Bureau of Meteorology

C

CAMBA	China–Australia Migratory Bird Agreement
CAPER	<i>NSW Clean Air (Plant and Equipment) Regulation 1997</i>
CBD	Central Business District
CCBB	Council of the City of Botany Bay
CEMP	Construction Environmental Management Plan
CHC	Chlorinated Hydrocarbon
CLC	Community Liaison Committee
Cl ₂	chlorine
CO	carbon monoxide
CO ₂ -e	carbon dioxide-equivalent
COD	Chemical Oxygen Demand
COPC	Chemical (Contaminant) of Potential Concern
CPT	Cone Penetration Test
CTC	carbon tetrachloride

D

DA	Development Application
dB(A)	decibels (A range)
DEC	Department of Environment and Conservation (incorporating National Parks and Wildlife Service (NPWS), Environment Protection Authority (EPA), Royal Botanic Gardens and Resource NSW).
DEH	Australian Government, Department of the Environment and Heritage
DG	Director-General (usually with reference to DIPNR)
DG Act	<i>Dangerous Goods Act 1975</i>
DGRs	Director-General's Requirements
DIPNR	Department of Infrastructure, Planning and Natural Resources
DLWC	Department of Land and Water Conservation (now DIPNR)
DNAPL	Dense Non-Aqueous Phase Liquid
DUAP	Department of Urban Affairs and Planning

Abbreviations

E

EC	Electrical Conductivity
EDC	ethylene dichloride (or 1,2-dichloroethane)
EHC Act	<i>Environmentally Hazardous Chemicals Act 1985</i>
EIS	Environmental Impact Statement
EMP	Environmental Management Plan
EMS	Environmental Management System
EP&A Act	<i>Environment Planning and Assessment Act 1979 (NSW)</i>
EPA	Environment Protection Agency of NSW
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999 (Cth)</i>
EPI	Environmental Planning Instrument
EPL	Environment Protection Licence
ERP	Emergency Response Plan
ESBS	Eastern Suburbs Banksia Scrub
ESD	Ecologically Sustainable Development

F

FHA	Final Hazard Analysis
FM Act	<i>Fisheries Management Act 1994 (NSW)</i>
FRTR	Federal Remediation Technologies Roundtable (US Govt)

G

GCP	Groundwater Cleanup Plan
GHG	Greenhouse Gas
GTP	Groundwater Treatment Plant

H

ha	hectare (1 ha = 10,000 square metres)
HAZOP	Hazard and Operability Studies
HCB	hexachlorobenzene
HCE	hexachloroethane
HCBD	hexachlorobutadiene
HCl	hydrogen chloride (forms hydrochloric acid on contact with water)
HHRA	Human Health Risk Assessment
HIPAP 4	Hazardous Industry Planning Advisory Paper No. 4
HIPAP 6	Hazardous Industry Planning Advisory Paper No. 6
hr	hour
HRA	Health Risk Assessment
H ₂ S	hydrogen sulphide

I

IBC	Intermediate Bulk Container
ICI	Imperial Chemicals Industry (ICI Australia is now Orica)
IGAE	Intergovernmental Agreement on the Environment

J

JAMBA	Japan–Australia Migratory Bird Agreement
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K

kg	kilogram
km	kilometre
kW	kilowatt
kWh	kilowatt hour

Abbreviations

L

LAT	Lowest Astronomical Tide
LEP	Local Environmental Plan
LGA	Local Government Area

M

m	metre
m ³	cubic metre
mg	milligram
µg	microgram
mm	millimetres
MW	megawatt
MWh	megawatt-hour

N

Na	sodium
NaOH	sodium hydroxide (caustic soda)
ng/m ³	nanogram per cubic metre
NCUA	Notice of Clean Up Action
NHMRC	National Health and Medical Research Council
NOHSC	National Occupational Health & Safety Commission
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide
NO	nitric oxide
N ₂ O	nitrous oxide
NPW Act	<i>National Parks and Wildlife Act 1974</i>
NPWS	National Parks and Wildlife Service of NSW
NRTC	National Road Transport Commission
NSW	New South Wales
NSWASSMAC	NSW Acid Sulfate Soils Management Advisory Committee
NT	National Trust

O

Orica	Orica Australia Pty Ltd
O ₂	oxygen
O ₃	ozone
OLM	Ozone Limiting Method

P

PASS	Potential Acid Sulphate Soils
PCA	Primary Containment Area
PCE	tetrachloroethene (commonly called perchloroethylene)
PCDD	polychlorinated dibenzodioxin (or dioxin)
PCDF	polychlorinated dibenzofuran (or furan)
PFM	Planning Focus Meeting
PHA	Preliminary Hazard Analysis
PLC	Programmable Logic Controller
POEO Act	<i>Protection of the Environment Operations Act 1997</i>
POEO Regs	<i>Protection of the Environment Operations Regulations 1998</i>
POPs	Persistent Organic Pollutants
pphm	parts per hundred million
ppm	parts per million
PVC	polyvinyl chloride

Q

QRA	Quantitative Risk Assessment
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Abbreviations

R

REF	Review of Environmental Factors
RF Act	<i>Rivers and Foreshores Act 1948</i>
RO	Reverse Osmosis
RTA	Roads and Traffic Authority

S

SCA	Secondary Containment Area
SEPP	State Environmental Planning Policy
SESPHU	South East Sydney Public Health Unit
SGS	Societe Generale de Surveillance (independent lab)
SIS	Species Impact Statement
SLOT	Specified Level of Toxicity
SO _x	oxides of sulphur
SO ₂	sulphur dioxide
SO ₃	sulphide
SO ₄	sulphate
SMS	Stormwater Management Scheme
SPC	Sydney Ports Corporation
SSU	Steam Stripping Unit
SWC	Sydney Water Corporation
SWMP	Soil and Water Management Plan
SWSOOS	Southern and Western Suburbs Ocean Outfall Sewer (operated by Sydney Water Corporation)

T

TAPM	The Air Pollution Model
TCDD	tetrachlorodibenzo-p-dioxin
TCE	trichloroethene (or trichloroethylene)
TEQ	Toxic Equivalency
TPH	Total Petroleum Hydrocarbons
TMP	Traffic Management Plan
TOD	Total Oxygen Demand
TSC Act	<i>Threatened Species Conservation Act 1995</i>

U

UNEP	United Nations Environment Programme
URS	URS Australia Pty Ltd
US EPA	United States Environmental Protection Agency
UTS	University of Technology, Sydney

V

VC	vinyl chloride
VCM	vinyl chloride monomer
VOC	Volatile Organic Compound
VRA	Voluntary Investigation and Remediation Agreement

W

WARR Act	NSW Waste Avoidance and Resource Recovery Act, 2001
WHO	World Health Organisation
WMP	Waste Management Plan
wt%	percentage by weight

X

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Abbreviations

Y

yr year

Z

–

Greek Symbols

µg microgram

µS/cm microsiemens per centimetre (a measure of electrical conductivity, used to infer salinity)