Chapter 9
Acronyms and Abbreviations

Abbreviation	Definition
AB	Assembly Bill
ACF	Advanced Clean Fleet Regulation
ACP	Area Contingency Plan
ACT	Advanced Clean Trucks
AER	Annual Emissions Report
AERMAP	AERMOD Terrain Preprocessor
AERMOD	Atmospheric Dispersion Modeling System
AFF	American Fact Finder
AMECS	Advanced Maritime Emissions Control System
AMP	Alternative Marine Power
AQ	Air Quality
AQMD	Air Quality Management District
AQMP	Air Quality Management Plan
ARB	Air Resources Board
aREL	acute reference exposure level
ARM	Ambient Ratio Method
ASF	Age Sensitivity Factor
ASTM	American Society for Testing and Materials
ATB	Articulated Tug Barge
ATCM	Airborne Toxics Control Measure
AUD INJ	auditory injury
BACT	Best available control technologies
bbls	barrels
BCC	Birds of Conservation Concern
BenMAP	Benefits Mapping and Analysis Program
BHC	Board of Harbor Commissioners
BLS	Bureau of Labor Statistics
BMP	Best Management Practices
BPS	Building Permits Survey
BSFC	Brake Specific Fuel Consumption
BTU	British Thermal Unit

Abbreviation	Definition
C_i	chemical concentration in air
CA	California
CA EDD	California Employment Development Department
CAA	Clean Air Act
CAAP	Clean Air Action Plan
CAAQS	California Ambient Air Quality Standards
CAECS	CARB-approved Emission Control Strategy
CAFE	Corporate Average Fuel Economy
CalEPA	California Environmental Protection Agency
CAAQS	California Ambient Air Quality Standards
CAECS	CARB-Approved Emission Control Strategy
CalEEMod	California Emissions Estimator Model
CAO	Cleanup and Abatement Order
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CBC	California Building Code
CCC	California Coastal Commission
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CERP	Community Emissions Reduction Plan
CESA	California Endangered Species Act
CFC	Chlorofluorocarbon
CFR	Code of Federal Regulation
CH_4	Methane
CHC	Commercial Harbor Crafts
CLT	California Least Tern
CMAQ	Community Multiscale Air Quality
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNG	Compressed Natural Gas
CNPS	California Native Plant Society
CO	Carbon monoxide
CO_2	Carbon dioxide
CO_2e	Carbon Dioxide Equivalent
CPF	Cancer Potency Factor
CPS	Coastal Pelagic Species
CPUC	California Public Utilities Commission

Abbreviation	Definition
CRA	Coastal Resource Areas
cREL	chronic reference exposure level
CSFAP	California Sustainable Freight Action Plan
CSLC	California State Lands Commission
CTP	Clean Trucks Program
CWA	Clean Water Act
CWEA	California Water Environmental Association
dB	decibels
DBR	Daily Breathing Rate
dBRMS	Decibels root mean square
TCA	Trichloroethane
DEIR	Draft Environmental Impact Report
DOF	California Department of Finance
DPM	Diesel Particulate Matter
DTSC	Department of Toxic Substances Control
DWT	Deadweight tonnage
EC	Ecosystem Component
ECA	Emission Control Areas
ECS	Ecosystem Component Species
ED	Exposure Duration
EF	Exposure Frequency
EFH	Essential Fish Habitat
EIR	Environmental Impact Report
EIV	Emergency Isolation Valve
EMD	Environmental Management Division
EMFAC	Emission Factor Computer Model
EO	Executive Order
EPA	Environmental Protection Agency
ESA	Endangered Species Act
ESI	Environmental Ship Index
ESL	Environmental Screening Level
ET	Exposure Time
FAH	Fraction of Time at Home
FE	Federally Endangered
FMP	Fishery Management Plans
FRED	Federal Reserve Economic Data
FSEIR	Final Supplemental EIR
FWS	United States Fish and Wildlife Service
GHG	Greenhouse Gas
GIASP	General Industrial Activities Stormwater Permit

Abbreviation	Definition
GIS	Geographic Information System
GVWR	Gross Vehicle Weight Rating
GWh	gigawatt-hour
GWP	Global Warming Potential
HAPC	Habitat Area of Particulate Concern
HARP	Hotspots Analysis and Reporting Program
HARP2	Hotspots Analysis and Reporting Program, Version 2
HC	Harbor Craft
HC	Hydrocarbon
HD	Heavy Duty
HDV	Heavy-duty Vehicle
HF	High frequency
HFC	hydrofluorocarbon
HI	Hazard index
HQ	Hazard quotients
HRA	Health Risk Assessment
HVOC	Halogenated volatile organic compound
IF_{inh}	intake factor for inhalation
IC	Internal Combustion
IGP	Industrial General Permit
IMO	International Maritime Organization
IMPLAN	Impact Analysis for Planning
IPCC	Intergovernmental Panel on Climate Change
I-110	Harbor Freeway
I-710	Long Beach Freeway
I-405	San Diego Freeway
SR-47	Seaside Freeway
IRP	Integrated Resource Plan
IS	Initial Study
ISA	Integrated Science Assessment
ITB	Integrated tug-barge
KBC	Keane Biological Consulting
km	kilometer
KW	kilowatt
LA	Los Angeles
LADOT	Los Angeles Department of Transportation
LADWP	Los Angeles Department of Water and Power
LAEDC	Los Angeles County Economic Development Corporation
LAFD	Los Angeles Fire Department
LAHD	Los Angeles Housing Department

Abbreviation	Definition
LAMC	Los Angeles Municipal Code
LAMT	Los Angeles Marine Terminal
LARWQCB	Los Angeles Regional Water Quality Control Board
lbs/day	pounds per day
LAT	Los Angeles Terminal
LCFS	Low Carbon Fuel Standard
LCP	Local Coastal Program
LDA	Light Duty Passenger Cars (EMFAC Vehicle Class)
LDV	Light-duty Vehicle
LEED	Leadership in Energy and Environment Design
LF	Low frequency
LID	Low Impact Development
LM	Lease measure
LNAPL	Light non-aqueous phase liquid
LNG	Liquified natural gas
LPG	Liquid Petroleum Gas
Los Angeles RWQCB	Regional Water Quality Control Board, Los Angeles Region
LST	Localized significance threshold
m^3/L	Cubic meter per liter
MAF	Modeling Adjusted Factor
MAN	Maschinenfabrik Augsburg-Nürnberg (of MAN engine)
MARPOL	International Convention for the Prevention of Pollution from Ships
MATES	Multiple Air Toxics Exposure Study
MBTA	Mitigatory Bird Treaty Act
MDO	Marine diesel oil
MDV	Medium-duty Vehicle
MEI	Maximum exposed Individual
mg/kg	milligrams per kilogram
mg/µg	milligrams per microgram
MGO	Marine gas oil
MICR	Maximum individual cancer risk
MIG	Minnesota IMPLAN Group
MM	Mitigation Measure
MMPA	Marine Mammal Protection Act
MMRP	Mitigation Monitoring and Reporting Program
MND	Mitigated Negative Declaration
MOA	Memorandum of Agreement
MOT	Marine Oil Terminal
MOTEMS	Marine Oil Terminal Engineering & Maintenance Standards
MOU	Memorandum of Understanding

Abbreviation	Definition
MOV	Motor Operated Valve
MPA	Marine Protected Area
MPRSA	Marine Protection, Research, and Sanctuaries Act
MS4	Municipal Separate Storm Sewer System
MSEI	Mobile Source Emissions Inventory
MT	Million Ton
$MTCO_2e$	Metric tons of CO_2 equivalent
mty	Metric tons per year
MW	megawatt
MWh	megawatt-hour
N_2O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NAD83	North American Datum of 1983
NAS	National Academy of Science
NED	National Elevation Dataset
NEPA	National Environmental Policy Act
NHTSA	National Highway Traffic Safety Administration
nm	nautical mile
NMFS	National Marine Fisheries Service
NO	Nitric oxide
NO_2	Nitrogen Dioxide
NOAA	National Oceanographic and Atmospheric Administration
NOP	Notice of Preparation
NO_X	Nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NREL	National Renewable Energy Laboratory
OA	Otariid pinnipeds in air
OAQPS	Office of Air Quality Planning and Standards
OEHHA	Office of Environmental Health Hazard Assessment
OGV	Ocean Going Vessels
ONI	Oceanic Niño Index
OSCP	Oil Spill Contingency Plan
OSPR	Office of Spill Prevention Response
OW	Otariid pinnipeds, underwater
PA	Phocid pinnipeds in air
PAH	Polycyclic Aromatic Hydrocarbon
Pb	Lead
PCE	Tetrachloroethene
PD	Project Design Feature
PFC	perfluorocarbon

Abbreviation	Definition
PFMC	Pacific Fishery Management Counsel
PK SPL	peak sound pressure level
PM	Particulate matter
$PM_{2.5}$	Fine particulate matter with a diameter of 2.5 micrometers or smaller
PM_{10}	particulate matter with a diameter of 10 micrometers or smaller
PMP	Port Master Plan
POLA or Port	Port of Los Angeles
POLB	Port of Long Beach
ppm	parts per million
ppmv	parts per million by volume
PRC	Public Resource Code
psia	pounds per square inch absolute
PTS	Permanent threshold shift
PW	Phocid pinnipeds, underwater
RAST	Risk Assessment Standalone Tool
REL	Recommended Exposure Limit
RfD	reference dose
RMS	root mean square
ROG	Reactive Organic Gases
RP	Revocable Permit
RPS	Renewables Portfolio Standard
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SA	Special Animal
SAFE	Safer Affordable Fuel-Efficient (Vehicle)
SB	Senate Bill
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCB	Statistics Sweden
SCC	Species of Conservation Concern
SCGC	Southern California Gas Company
SCH	State Clearinghouse
SCIG	Southern California Intermodal Gateway
SCP	Site Cleanup Program
SCRAM	Support Center for Regulatory Atmospheric Modeling
SCS	Sustainable Communities Strategy
SE	State endangered
SEA	Significant Ecological Area
SF_6	Sulfur hexafluoride

Abbreviation	Definition
SIP	State Implementation Plan
SLM	Sound level measurement
SLR	Sea-level rise
SLTRP	Strategic Long-Term Resource Plan
SO_2	Sulfur dioxide
SO_X	Sulfur oxide
SPBP	San Pedro Bay Ports
SPCC	Spill Prevention, Control, and Countermeasure
SPPS	Saints Peter and Paul School
SR	State Route
SRA	Source Receptor Area
SSC	Species of Special Concern
STLRP	Strategic Long-Term Resource Plan
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	Toxic air contaminants
TAP	Technology Advancement Program
TCA	Trichloroethane
TCE	Trichloroethene
TCR	The Climate Registry
TIE	Terminal Incident Event
TITP	Terminal Island Water Reclamation Plant
TOG	Total organic gas
TPH	Total petroleum hydrocarbons
TSD	Technical Support Document
TSS	Traffic Separation Scheme
TTS	Temporary threshold shift
$\mu g/m^3$	micrograms per cubic meter
ug/L	micrograms per liter
ULSD	Ultra-low sulfur diesel
USA	United States of America
USACE	United States Army Corps of Engineers
USCG	United States Coast Guard
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UTM	Universal Transverse Mercator
VIE	Vessel Incident Event
VGP	Vessel General Permit
VHF	Very high frequency cetaceans

Abbreviation	Definition
VIDA	Vessel Incidental Discharge Act
VMT	Vehicle Miles Travelled
VOC	Volatile organic compounds
VSR	Vessel Speed Reduction
VSRP	Vessel Speed Reduction Program
WDR	Waste Discharge Requirement
YTI	Yusen Terminals Inc.
ZE	Zero Emissions
ZEV	Zero Emission Vehicle
ZIMAS	Zone Information and Map Access System