

## Chapter 12

# Acronyms and Abbreviations

°C	degrees Celsius
°F	degrees Fahrenheit
µg/cm <sup>2</sup>	micrograms per square centimeter
µg/L	micrograms per liter
µg/m <sup>3</sup>	micrograms per cubic meter
µg/kg	micrograms per kilogram
3-D	three dimensional
AAQS	Ambient Air Quality Standards
AB	Assembly Bill
AC	asphalt concrete
ACBM	asbestos-containing building materials
ACG	allision, collision, and grounding
ACMs	asbestos-containing materials
ACTA	Alameda Corridor Transportation Authority
ADT	Average Daily Traffic
AFY	acre-feet per year
AHM	acutely hazardous materials
AGV	Automated Guided Vehicles
AMP	Alternative Maritime Power
AOP	area of responsibility
APL	American President Lines
AQAC	Air Quality Advisory Committee
AQMP	Air Quality Management Plan

ASC	Automated Stacking Cranes
ASW	Auto Shredder Waste Disposal Area
ATCM	Airborne Toxic Control Measure
ATCS	Adaptive Traffic Control System
ATSAC	Automated Traffic Surveillance and Control
BACT	Best Available Control Technology
BAT	best available technology
BCT	best conventional pollutant control technology
BFI	Browning Ferris Industries
bgs	below ground surface
BLM	U.S. Department of the Interior, Bureau of Land Management
BMP	Best Management Practice
BNSF	Burlington Northern and Santa Fe
BOD	Biological oxygen demand
BP	before present
BPJ	best professional judgment
BPP	Brake Pad Partnership
bsl	below sea level
BTH	California Business, Transportation and Housing Agency
CAA	Clean Air Act
CAAP	Clean Air Action Plan
CAAQS	California Ambient Air Quality Standards
CAC	California Administrative Code
CAD	confined aquatic disposal
CAFÉ	Corporate Average Fuel Economy
Cal-EMA	California Emergency Management Agency
CalEPA	California Environmental Protection Agency
Caltrans	California Department of Transportation
CAR	Climate Action Reserve
CARB	California Air Resources Board
CBP	U.S. Customs and Border Protection
CCAA	California Clean Air Act

CCAR	California Climate Action Registry
CCC	California Coastal Commission
CCR	California Code of Regulations
CD	compact disc
CDF	confined disposal facility
CDFG	California Department of Fish and Game
CDM	Camp Dresser and McKee Inc.
CDMG	California Division of Mines and Geology
CDWR	California Department of Water Resources
CEC	California Energy Commission
CEQ	Council for Environmental Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CESA	California Endangered Species Act
CFR	<i>Code of Federal Regulations</i>
CH <sub>4</sub>	methane
CHE	Cargo-handling equipment
CIWMB	California Integrated Waste Management Board
CIS	Chemically impacted soil
City	City of Los Angeles
CLE	contingency-level earthquake
cm	centimeter
CMA	Critical Movement Analysis
CMB	crushed miscellaneous base
CMP	Congestion Management Program; Clean Marinas Program
CNA	Controlled Navigation Areas
CNDBB	California Natural Diversity Data Base
CNEL	community noise equivalent level
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent

CO-CAT	Coastal and Ocean Working Group of the California Climate Action Team
Committee	Harbor Safety Committee
COTP	Captain of the Ports
CPUC	California Public Utilities Commission
Cr	chromium
CRA/LA	Community Redevelopment Agency of the City of Los Angeles
CRHR	California Register of Historical Resources
CSI	Container Security Initiative
CSLC	California State Lands Commission
CSTF	Contaminated Sediment Task Force
CTP	Clean Truck Program
CTR	California Toxics Rule
Cu	copper
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
CWC	California Water Code
CY	calendar year
cy	cubic yard
CZMA	Coastal Zone Management Act
D/C	demand to capacity
DA	Department of the Army
dB	decibel
dB <sub>PEAK</sub>	peak sound pressure level in decibels
dBA	A-weighted sound level
dBC	C-weighted sound level
DDE	dichlorodiphenyldichloroethene
DDT	dichlorodiphenyltrichloroethane
DHS	Department of Health Services; Department of Homeland Security
DMMT	Dredged Material Management Team
DO	dissolved oxygen
DOC	diesel oxidation catalyst

DoD	Department of Defense
DOF	Department of Finance
DOT	Department of Transportation
DPF	diesel particulate filter
DPM	diesel particulate matter
DTSC	California Department of Toxic Substances Control
DWT	deadweight tonnage
EA	Environmental Assessment
EB	eastbound
ECA	Emission Control Area
EDR	Environmental Data Resources, Inc.
EEZ	Exclusive Economic Zone
EFH	Essential Fish Habitat
EI	Emissions Inventory
EIS/EIR	Environmental Impact Statement/Environmental Impact Report
ELA	East Los Angeles
ELGs	effluent limitation guidelines
EMD	Director of Environmental Manager
EMI	Earth Mechanics Inc.
EMS	Environmental Management System; emergency medical service; Eagle Marine Services
EO	Executive Order
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ERL	Effect Range Low
ERM	Effect Range Medium
ESA	Endangered Species Act; Environmentally Sensitive Area
FAR	floor area ratio
FARS	Fatality Analysis Reporting System
FCI	Federal Correctional Institution
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration

FMCSA	Federal Motor Carrier Safety Administration
FMP	Fishery Management Plan
FONSI	finding of no significant impact
FSA	Facility Security Assessment
FSO	Facility Security Officer
FSP	Facility Security Plan
ft	feet
ft <sup>2</sup>	square foot
FTA	Federal Railroad Administration
FY	fiscal year
g	gram
Gas Company	Southern California Gas Company
g/0.1 m <sup>3</sup>	grams per 0.1 square meter
g/bhp-hr	grams per brake horsepower-hour
g/hp-hr	grams per horsepower-hour
g/m <sup>2</sup>	grams per square meter
GHG	greenhouse gas
GIS	geographic information system
gpcd	gallons per capita per day
Gpd	gallons per day
GMAP	Goods Movement Action Plan
GMP	Growth Management Plan
gpm	gallons per minute
GRP	glass-reinforced plastic composites
GVWR	gross vehicle weight rating
GVW	gross vehicle weight
GWP	global warming potential
Harbor Commission	Los Angeles Board of Harbor Commissioners
HARP	Hot Spot and Analysis Reporting Program
HC	Hydrocarbon
HCM	Highway Capacity Manual
HDV	heavy-duty vehicle

HDT	Heavy-Duty Truck
HFC	hydrofluorocarbon
HHW	higher-high water
HLW	higher-low water
HMI	Hazardous Materials Inventory
HMIS	Hazardous Materials Information Systems
HMSD	Hazardous Materials Standards Division
HMTA	Hazardous Materials Transportation Act
hp	horsepower
hp/hr	horsepower per hour
HRA	Health Risk Assessment
HSP	Harbor Safety Plan
HSWA	Hazardous and Solid Waste Amendments
Hz	Hertz
I	Interstate
I-110	Interstate 110 or Harbor Freeway
I-405	Interstate 405 or San Diego Freeway
I-710	Interstate 710 or Long Beach Freeway
IBC	Inter-Box-Connectors
ICE	internal combustion engine
ICTF	Intermodal Container Transfer Facility
ICU	Intersection Capacity Utilization
ILWU	International Longshore and Warehouse Union
IMO	International Maritime Organization
IOU	investor owned utilities
IPCC	Intergovernmental Panel on Climate Change
IRC	Intersea Research Corporation
IRP	Integrated Resources Plan
IS	Initial Study
ISPS	International Ship and Port Facility Security
IWG	interagency working group
kg	kilogram

kHz	kilohertz
km	kilometer
kts	knots
kV	kilovolts
kW	kilowatt
kWh	kilowatt-hour
L <sub>90</sub>	sound levels that were exceeded 90 percent of the time during the measurement period
LA&I	Los Angeles and Independence Railroad
LA&SP	Los Angeles and San Pedro Railroad
LA/LB	Los Angeles and Long Beach
LAA	Lakebed Alternative Agreement
LABC	Los Angeles Building Code
LACD	Los Angeles Customs District
LACFD	Los Angeles County Fire Department
LACMTA	Los Angeles County Metropolitan Transportation Authority
LADOT	City of Los Angeles Department of Transportation
LADWP	Los Angeles Department of Water and Power
LAEDC	Los Angeles Economic Development Corporation
LAFD	Los Angeles Fire Department
LA Green Code	Green Building Standards Code
LAHD	Los Angeles Harbor Department
LAMC	Los Angeles Municipal Code
LAPD	Los Angeles Police Department
LATC	Los Angeles Transportation Center
LAX	Los Angeles International Airport
LAXT	Los Angeles Export Terminal
lb/day	pounds per day
LCFS	Low-Carbon Fuel Standard
LCP	Local Coastal Program/Local Coastal Plan
L <sub>dn</sub>	day-night sound level
LDVR	Light-Duty Vehicle Rule



LED	light-emitting diode
LEDPA	least environmentally damaging practicable alternative
LEED	Leadership in Energy and Environmental Design
lf	Linear feet/foot
LEPC	Local Emergency Planning Committee
$L_{eq}$	equivalent sound level
$L_{eq(h)}$	hourly equivalent sound level
LHW	lower-high water
LID	Low Impact Development
LLW	lower-low water
$L_{max}$	maximum sound level
$L_{min}$	minimum sound level
LNG	liquefied natural gas
LOS	level of service
Los Angeles RWQCB	Regional Water Quality Control Board, Los Angeles Region
LPG	liquefied propane gas
LST	Localized Significance Threshold
LTC	Landside Transfer Cranes
LUST	leaking underground storage tank
m	meter
$M^3$	cubic meters
M-3	zoned Heavy Industrial
m/s	meter per second
M.D.	mid-day
MACT	Maximum Achievable Control Technologies
MARSEC	Maritime Security
MATES-III	Multiple Air Toxics Exposure Study
MAX	Municipal Area Express
MBTA	Migratory Bird Treaty Act
MCE	maximum credible earthquake
MCL	maximum contaminant level

MCMIS	Motor Carrier Management Information Systems
MDO	marine diesel oil
metro	Los Angeles County Metropolitan Transportation Authority
MF	microfiltration
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
mgd	million gallons per day
MGO	marine gas oil
Mi <sup>2</sup>	square mile
MLLW	mean lower-low water level
MMcf	million cubic feet
MMPA	Marine Mammal Protection Act
MND	Mitigated Negative Declaration
MOA	Memorandum of Agreement
MOTEMS	Marine Oil Terminal Engineering and Maintenance Standards
MOU	Memorandum of Understanding
MPE	maximum probable earthquake
mph	miles per hour
MPRSA	Marine Protection, Research, and Sanctuaries Act of 1972
MRR	Mandatory Greenhouse Gas Reporting Rule
MRZ	Mineral Resource Zone
MS4	municipal separate storm sewers system
MSB	Marine Safety Branch
MSL	mean sea level
MTBA	Migratory Bird Treaty Act
MTBE	methyl tertiary butyl ether
MTCO <sub>2</sub>	metric tons of carbon dioxide equivalent
MTSA	Maritime Transportation Security Act
MWD	Metropolitan Water District of Southern California
MWh	Megawatt hours
MY	Model Year
N <sub>2</sub> O	Nitrous oxide

NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria
NAHC	Native American Heritage Commission
NB	northbound
NCHRP	National Cooperative Highway Research Project
NEPA	National Environmental Policy Act
NFIP	National Flood Insurance Program
NFPA	National Fire Protection Association
NH <sub>3</sub>	ammonia
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
nm	nautical mile
NMFS	National Marine Fisheries Service
NMHC	nonmethane hydrocarbons
NO <sub>2</sub>	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NOP	Notice of Preparation
NOS	National Ocean Service
NO <sub>x</sub>	nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NRC	National Response Center
NRHP	National Register of Historic Places
NTU	Nephelometric turbidity unit
NWS	National Weather Service
O&M	Operations and Maintenance
O <sub>3</sub>	ozone
OAPCA	Organotin Antifouling Paint Control Act
ODMDS	Ocean Dredged Material Disposal Site
OEHHA	Office of Environmental Health Hazard Assessment
OES	Office of Emergency Services
OFI	Operations, Facilities, and Infrastructure

OGV	Ocean-going Vessel
OHWM	ordinary high water mark
OLE	operational-level earthquake
OLM	ozone limiting method
OPR	Office of Planning and Research
OSCP	Oil Spill Contingency Plan
OSHA	Occupational Safety and Health and Administration
OSPR	Office of Spill Prevention and Response
OVA	organic vapor analyzer
PAH	polycyclic aromatic hydrocarbon
PAs	Planning Areas
Pb	lead
PCAC	Port Community Advisory Committee
PCB	polychlorinated biphenyl
PCC	Portland Cement Concrete
PCE	passenger car equivalent
PCH	Pacific Coast Highway
PERP	Portable Equipment Registration Program
PFC	perfluorocarbon
pH	potential hydrogen-ion concentration
PHAVD	peak hour average vehicle delay
PHL	Pacific Harbor Line
PID	photoionization detector
PM	particulate matter
PM <sub>10</sub>	particulate matter of less than 10 micrometers in aerodynamic diameter
PM <sub>2.5</sub>	particulate matter of less than 2.5 micrometers in aerodynamic diameter
PMA	Pacific Maritime Association
PMP	Port of Los Angeles Master Plan
POLA	Port of Los Angeles
POLB	Port of Long Beach
Port	Port of Los Angeles
PORTS	Physical Oceanographic Real Time System

Power IRP	Power Integrated Resources Plans
ppm	parts per million
ppmv	parts per million by volume
ppt	parts per thousand
PRC	Public Resources Code
PRG	preliminary remediation goal
proposed Project	Berths 302-306 [APL] Container Terminal Project
PSD	Federal Prevention of Significant Deterioration
psi	pounds per square inch
PSR	Project Study Report
PUC	Public Utilities Commission
RCC	Roller Compacted Concrete
RCP	Regional Comprehensive Plan
RCRA	Resource Conservation and Recovery Act
RENEW LA	Recovering Energy, Natural Resources, and Economic Benefit from Waste for Los Angeles
RES	Renewable Energy Standard
RFP	Reasonable Further Progress
RGMP	Regional Growth Management Plan
RHA	Rivers and Harbors Act
RIMS	Response Information Management System
RMG	rail-mounted gantry crane
RMP	Regional Mobility Plan; Risk Management Plan
RMPP	Risk Management and Prevention Program
RNA	regulated navigation area
RO	Reverse Osmosis
ROD	Record of Decision
RPM	revolutions per minute
RPS	Renewable Portfolio Standard
RPV	City of Rancho Palos Verdes
RRP	Release Response Plan
RTG	rubber tired gantry crane

RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SAA	Streambed Alteration Agreement
SAP	Sampling and Analysis Plan
SAR	Service Advisory Request
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill; southbound
SC	standard conditions of approval
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCCWRP	Southern California Coastal Water Research Project
SCIG	Southern California International Gateway Project
SDA	Schaefer Dixon Associates
SEA	Significant Ecological Area
SEIR	Supplemental Environmental Impact Report
SEIS	Supplemental Environmental Impact Statement
SERC	State Emergency Response Commission
sf	Square foot
SF <sub>6</sub>	Sulfur hexafluoride
SFM	State Fire Marshal
SHPO	State Historic Preservation Officer
SIL	significant impact level
SIP	State Implementation Plan
SLC	State Lands Commission
SMARA	Surface Mining and Reclamation Act of 1975
SO <sub>2</sub>	sulfur dioxide
SO <sub>x</sub>	sulfur oxide
SPCC	Spill Prevention Control and Countermeasure Plan
SQOs	Sediment Quality Objectives
SPRR	Southern Pacific Railroad
SR	State Route

SR-1	Pacific Coast Highway
SR-91	Artesia Freeway
SR-103, SR-47	Terminal Island Freeway
SR-213	Western Avenue
SSO	Ship Security Officer
SSMP	Specific Mitigation Plan
STLC	Soluble Threshold Limit Concentration
SUSMP	Standard Urban Stormwater Mitigation Plan
SV	simulation viewpoint
SVE	soil vapor extraction
SVOC	semivolatile organic compound
SWH	shallow water habitat
SWIRP	Solid Waste Integrated Resources Plan
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant; Technical Advisory Committee
TAP	Technology Advancement Program
TBT	tributyltin
TCA	trichloroethane
TCR	The Climate Registry
TDS	Total Dissolved Solids
TEU	twenty-foot equivalent unit
TFH	total fuel hydrocarbons
TIA	Traffic Impact Analysis
TIFA	Trucks Involved in Fatal Accidents
TISA	Terminal Island Service Area
TIWRP	Terminal Island Water Reclamation Plant
TMDL	total maximum daily load
TMP	Transportation Master Plan
TPH	total petroleum hydrocarbon
TRB	Transportation Research Board
TSA	Transportation Security Administration

TSP	Terrorist Surveillance Program
TSS	Traffic Separation Scheme
TTLIC	Toxic Threshold Leaching Concentrations
TWIC	Transportation Worker Identification Credential
UBC	Uniform Building Code
UCLA	University of California, Los Angeles
UFP	ultrafine particle (less than 0.1 microgram in diameter)
ULSD	ultra-low-sulfur diesel
UP	Union Pacific
UPRR	Union Pacific Railroad
U.S. or US	United States
USACE	United States Army Corps of Engineers
USC	United States Code or University of Southern California
USCG	United States Coast Guard
USDA	U.S. Department of Agriculture
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGBC-LEED	United States Green Building Council – Leadership in Energy and Environmental Design
USGS	United States Geological Survey
UST	underground storage tanks
UWMP	Urban Water Management Plan
V/C	volume to capacity
VDEC	Verified Diesel Emission Control
VHF-FM	very high frequency – frequency modulation
VM	Visual Modification
VOC	volatile organic compound
VP	viewpoint
VRM	Visual Resource Management
VSRP	Vessel Speed Reduction Program
VTS	Vessel Traffic System



WB	westbound
WCATWC	West Coast and Alaska Tsunami Warning Center
WDR	Waste Discharge Requirements
WEFA	Wharton Economic Forecasting Associates
WMD	Weapons of Mass Destruction
Workplan	Environmental Justice Workplan
WRAP	Water Resources Action Plan
WRDA	Water Resources Development Act
WSA	Water Supply Assessment

*This page left intentionally blank*