

Chapter 12 Acronyms

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°F	degrees Fahrenheit
AASHTO	American Association of State Highway and Transportation Officials
AB	Assembly Bill
ACMs	asbestos containing materials
ACTA	Alameda Corridor Transportation Authority
AD	Anno Domini
AES	Aesthetics
AESS	Automatic Engine Start Stop
AHM	acutely hazardous materials
AM	Ante meridian
AMP	Alternative Maritime Power
AQMD	Air Quality Management District
AQMP	Air Quality Management Plan
ARB	California Air Resources Board
ARCO	Atlantic Richfield Company
ASTM	American Society for Testing and Materials
BACM	Best Available Control Measures
BACT	Best Available Control Technologies
Bbls	Barrel which is 42 gallons
BFI	Browning Ferris Industries
Bgs	Below ground surface
BIO	Biology
BLM	Bureau of Land Management
BMP	best management practice
BNSF	Burlington Northern Santa Fe Railroad
BP	before present
BSA	Biological Study Area
BTHA	Building Transportation and Housing Authority
C.O.P.S.	Community Oriented Policing
CAA	Federal Clean Air Act
CAAP	Clean Air Action Plan
CAAQS	California Ambient Air Quality Standards
CalEPA	California Environmental Protection Agency
Caltrans	California Department of Transportation
CARB	California Air Resources Board
CBC	California Building Code
CBD	central business district
CBP	U.S. Customs and Border Patrol
CBSC	California Building Standards Commission
CCA	California Coastal Act
CCAA	California Clean Air Act
CCR	California Code of Regulations

CDFG	California Department of Fish and Game
CDMG	California Division of Mines and Geology
CDO	Central Dispatch Office
CDWR	California Department of Water Resources
CEC	California Energy Commission
CEQ	Council on Environment Quality
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, Liability Act
CERL	Construction Engineering Research Laboratory
CFL	Compact fluorescent lamp
CFR	Code of Federal Regulations
CHC	City of Los Angeles Cultural Heritage Commission
CHE	Cargo Handling Equipment
CIS	Chemically impacted soil
CIWMB	California Integrated Waste Management Board
CMA	Critical Movement Analysis
CMP	Congestion Management Plan
COFC	Container on flat car
CO-CAT	Coastal and Ocean Climate Action Plan
CNDDB	California Natural Diversity Database
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
COMM	Commercial and Sport Fishing
CR	Cultural Resources
CRA/LA	City of Los Angeles Community Redevelopment Agency
CRHR	California Register of Historic Resources
CSC	State Species of Special Concern (California)
CSI	Container Security Initiative
CSIG	International California International Gateway
CSULB	California State University at Long Beach
CTP	Clean Truck Program
CTR	California Toxics Rule
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
CWC	California Water Code
D/C	demand-to-capacity
dB	decibel
dBA	A-weighted sound level
DCA	Dichloroethane
DCE	Dichloroethylene
DDT	Dichlorodiphenyltrichloroethane
DEIR	Draft Environmental Impact Report
DO	dissolved oxygen
DOC	diesel oxidation catalyst
DOD	Department of Defense
DOGGR	Conservation Division of Oil, Gas, and Geothermal Resources
DOT	U. S. Department of Transportation
DPF	diesel particulate filter
DPM	diesel particulate matter
DTR	Drayage Truck Registry
DS	Dip Slip
DTSC	California Department of Toxic Substance Control
DWP	Department of Water and Power

DWQ	Department of Water Quality
EC	Elemental Carbon
EFH	Essential Fish Habitat
EIR	Environmental Impact Report
EMA	California Emergency
EMD	Environmental Management Division
EMS	Environmental Management System
EMS	Emergency Medical Service
EMT	Emergency Medical Technicians
EMT-I	Emergency Medical Technicians – Intermediate
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-To-Know Act
ESA	Endangered Species Act
ESA	environmental site assessment
EST	Estuarine habitat
EZ	Enterprise Zone
FARS	Fatality Analysis Reporting System
FEIR	Final Environmental Impact Report
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIL	Field insertion loss
FMCSA	Federal Motor Carrier Safety Administration
FRA	Federal Rail Administration
ft	feet
FTA	Federal Transit Administration
Fwy	freeway
FY	fiscal year
g	gram
GBV	Ground-borne Vibration
GCASP	General Construction Activities Stormwater Permit
GED	General Educational Development
genset	Generator set
GHG MOU	Greenhouse Gases Memorandum of Understanding
GIASP	General Industrial Activities Stormwater Permit
GIS	Geographical Information System
gpm	gallons per minute
GPS	Global positioning System
GVW	Gross vehicle weight
HCM	Highway Capacity Manual
HDT	Heavy Duty Truck
HI	Hazard Index
HMI	Hazardous Materials Inventory
HMIS	Hazardous Materials Information System
HMSD	Hazardous Materials Standards Division
HMTA	Hazardous Material Transportation Act
HPOZ	City of Los Angeles Historic Preservation Overlay Zone
HQ	Hazard Quotients
Hr	Hour
HRA	Health Risk Assessment
HSWA	Hazardous and Solid Waste Amendments
HVAC	heating, ventilating, and air conditioning
HWCL	Hazardous Waste Control Law
Hz	Hertz (cycles per second)
IBC	International Building Code
ICTF	Intermodal Container Terminal Facility
ICU	Intersection Capacity Utilization

IES	Illuminating Engineering Society of North America
IFC	International Fire Code
ILWU	International Longshore and Warehouse Union
IRP	Integrated Resources Plan
IS	Initial Study
IUCN	World Conservation Union
IUCN:LC	World Conservatory Union (LC)
kHz	kilohertz
km	kilometer
kVA	kilovolt amps
kWh	kilowatt hour
LACD	Los Angeles Customs District
LACDPW	Los Angeles County Department of Public Works
LACFD	Los Angeles County Fire Department
LACM	Los Angeles County Museum of Natural History
LADHS	Los Angeles County Department of Health Services
LADOT	Los Angeles Department of Transportation
LADWP	Los Angeles Department of Water and Power
LAFD	Los Angeles City Fire Department
LAHD	Los Angeles Harbor Department
LAMC	Los Angeles Municipal Code
LAPD	Los Angeles Police Department
LARWQCB	Los Angeles Regional Water Quality Control Board
LATC	Los Angeles Trailer and Container
LAXT	Los Angeles Export Terminal
Lbfd	Long Beach Fire Department
LBMC	Long Beach Municipal Code
LBP	lead-based paint
LCP	Local Coastal Program
LCP	lead-containing paint
LCSC	lead-containing surface coating
Ldn	day-night noise level
LED	Light-emitting diode
LEED	Leadership in Energy and Environmental Design
LEED EB	LEED Existing Building
LEED NC	LEED New Construction
LEPC	Local Emergency Planning Committee
Leq	energy-equivalent noise level
LH&A	Lawrence Headley & Associates
L_{max}, L_{min}	The maximum and minimum noise levels during the measurement period.
LMD	Lands Management Division
LNG	liquefied natural gas
LORS	laws, ordinances, regulations, and standards
LOS	Level of Service
$L_{0x}, L_{08}, L_{50}, L_{90}$	The statistical A-weighted noise levels that are exceeded 2%, 8%, 50%, and 90% of the time during the measurement period.
LSTs	Localized significance thresholds
LUD	Land Use District
L_{xx}	The statistical sound level that is exceeded xx % of the time during the measurement period
M	magnitude (as in magnitude on the Richter scale for earthquakes)
MAR	Marine Habitat
MAX	Municipal Area Express

MBTA	Migratory Bird Treaty Act
MCMIS	Motor Carrier Management Information System
MD	Mid day
MeBr	Methyl Bromide
MEP	Maximum Extent Practicable
Metro	Metropolitan Transportation Authority
mgd	million gallons per day
MH	Manufacturing Heavy
MIGR	Migration of Aquatic Organisms
MM	Mitigation Measures
Mmax	Maximum Moment Magnitude
MM-BIO	Mitigation Measures Biology
MOU	Memorandum of Understanding
MP	Mile Post
mph	miles per hour
MRZ	Mineral Resource Zone
MS4	municipal separate storm sewer system
MSFCMA	Magnuson-Stevens Fishery Conservation and Management Act
MSL	mean sea level
MTSA	Maritime Transportation Security Act
MWD	Metropolitan Water District of Southern California
MY	Model Year
NAAQS	National Ambient Air Quality Standards
NAC	Noise Abatement Criteria
NAHC	Native American Heritage Commission
NAV	Navigation
NB	North bound
NCCP	Natural Community Conservation Plan
NFPA	National Fire Protection Association
NHTSA	National Highway Traffic Safety Administration
NMFS	National Marine Fisheries Service
NMHC	Nonmethane hydrocarbon
NO ₂	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NOP	Notice of Preparation
NO _x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
OFI	Operations, Facilities and Infrastructure
O ₃	Ozone
OEHHA	Office of Environmental Health Hazard Assessment
OFI	Operations, Facilities, and Infrastructure
OS	Open Space
OSHA	U.S. Occupational Health and Safety Administration
OSPR	Office of Spill Prevention and Response
OVA	Organic vapor analyzer
PAH	polynuclear aromatic hydrocarbon
PC	Project Condition
PCB	polychlorinated biphenyl
PCE	passenger car equivalent
PCH	Pacific Coast Highway
pH	potential hydrogen ion concentration
PHL	Pacific Harbor Line
PID	Photoionization detector

PM	particulate matter
PM	Post meridian
PM10	particulate matter less than 10 microns
PM _{2.5}	particulate matter less than 2.5 microns
POLA	Port of Los Angeles
POLB	Port of Long Beach
POTW	publicly-owned treatment works
ppm	parts per million
ppmv	parts per million by volume
PPV	peak particle velocity
PR	Public Right of Way
PRC	Public Resources Code
psi	pounds per square inch
PSR	Project Study Report
RARE	Rare, threatened, or Endangered Species Habitat
RCP	Regional Comprehensive Plan
RCRA	Resource Conservation and Recovery Act
RDEIR	Recirculated Draft EIR
REC	Recreation
RECs	Recognized environmental conditions
REL	Reference Exposure Level
RENEW LA	Recovering Energy, Natural Resources, and Economic Benefit from Waste for Los Angeles Plan
REP	Rail Enhancement Plan
RFID	Radio-Frequency Identification
RIMS	Response Information Management System
RL	Rail line
RMG	Rail-Mounted Gantry
RMP	Regional Mobility Plan
RMPP	Risk Management and Prevention Program
RMS	root mean square
RPA	Register of Professional Archaeologists
RRP	Release Response Plan
RSU	Rail Study Update
RTG	rubber tired gantry cranes
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board, Los Angeles Region
SAA	Streambed Alteration Agreement
SAF	Safety
SAIC	Science Applications International Corporation
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SBP	San Pedro Bay
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison Company
SCEDC	Southern California Earthquake Data Center
SCG	Southern California Gas Company
SCIG	Southern California Intermodal Gateway
SCR	Selective catalytic reduction
SCS	Sustainable Communities Strategy
SEA	Significant Ecological Area
SEL	Sound Exposure Level
SERC	State Emergency Response Commission
SFM	State Fire Marshal

SGI	The Source Group Incorporated
SIP	State Implementation Plan
SLC	State Lands Commission
SLR	Sea level rise
SMARA	Surface Mining and Reclamation Act of 1975
SOON	Surplus Off-Road Opt-In for NOx
SO2	sulfur dioxide
Sox	sulfur oxides
SP	Southern Pacific
SPCC	Spill Prevention Control and Countermeasure Plan
SPWN	Spawning, Reproduction and/or Early Development
SR	State Route
SS	Strike Slip
SUSMP	Standard Urban Stormwater Mitigation Plan
SVE	Soil Vapor Extraction
SWIRP	Solid Waste Integrated Resources Plan
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TAP	Technology Advancement Program
TAP AC	TAP Advisory Committee
TCR	The Climate Registry
TEU	twenty-foot equivalent unit
TIA	Traffic Impact Analysis
TICTF	Terminal Island Intermodal Container Transfer Facility
TIFA	Trucks Involved in Fatal Accidents
TITP	Terminal Island Treatment Plant
TMDL	Total Maximum Daily Load
TMP	Transportation Master Plan
TNM	Traffic Noise Modeling
TOFC	Trailer on flat car
TransCAD	Modeling software platform
TRANSCAER	Transportation Community Awareness and Emergency Response
TRB	Transportation Research Board
TRU	transport refrigerant units
TSA	Transportation Security Administration
TWIC	Transportation Worker Identification Credential
UFPs	ultrafine particles
ULSD	ultra-low sulfur diesel
UP, UPPR	Union Pacific Railroad
URBEMIS	URBan EMISsions software
USACE	U.S. Army Corps of Engineers
USC	United States Code
USCG	U.S. Coast Guard
USDA	U.S. Department of Agriculture
USDOT	U.S. Department of Transportation
USEPA	U.S. Environmental Protection Agency
USFS	U.S. Department of Agriculture, Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Service
USLD	ultra low sulfur diesel
UST	underground storage tanks
UWMP	Urban Water Management Plan
VDEC	Verified diesel emission control
V/C	volume to capacity

VdB	Vibration Decibel
VL	Very Limited
VOC	volatile organic compound
VSR	Vessel Speed Reduction
VSRP	Vessel Speed Reduction Program
WBWG	Western Bat Working Group
WBWG:H	Western Bat Working Group (H)
WDR	Waste Discharge Requirement
WEFA	Wharton Econometric Forecasting Associates
WILD	Wildlife Habitat
WIP	Wilmington Industrial Park
WQ	Water Quality
WQS	Water Quality Standards
WWL	Wallenius, Wilhelmsen Logistics
YTD	years to date
μPa	a measure of underwater sound pressure