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## Chapter 11 Acronyms and Abbreviations

°C	degrees Celsius
°F	degrees Fahrenheit
µg/cm <sup>2</sup>	micrograms per cubic centimeter
µg/g	microgram per gram
µg/L	micrograms per liter
µg/m <sup>3</sup>	micrograms per cubic meter
µm	Microns
AAQS	Ambient Air Quality Standards
AB	Assembly Bill
ACBM	asbestos-containing building material
ACM	asbestos-containing material
ADT	Average Daily Traffic
AER	Annual Emission Reporting
AFY	acre-feet per year
AIRFA	American Indian Religious Freedom Act of 1978
ALBS	Al Larson Boat Shop
ALS	Advanced Life Support
AMP	Alternative Maritime Power
AOR	area of responsibility
APE	Area of Potential Effect
APL	American President Lines
AQAC	Air Quality Advisory Committee
AQMP	Air Quality Management Plan

AST	aboveground storage tank
AQMD	Air Quality Management District
BACM	Best Available Control Measures
BACT	Best Available Control Technology
Basin Plan	Water Quality Control Plan: Los Angeles Region Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties
BAT	best available technology
BC	Before Christ
BCT	best conventional pollutant control technology
BFI	Browning Ferris Industries
bgs	below ground surface
bhp-hr	brake horsepower per hour
BMP	Best Management Practice
BOD	biological oxygen demand
BOS	Bureau of Sanitation
BP	before present
BPJ	Best Professional Judgment
BPP	Break Pad Partnership
BTEX	benzene, toluene, ethylbenzene, and xylene
CA FID UST	Facility Inventory Database
CAA	Clean Air Act
CAAP	Clean Air Action Plan
CAAQS	California Ambient Air Quality Standards
CAD	Confined Aquatic Disposal
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CalShip	California Shipbuilding Corporation
CAFE	Corporate Average Fuel Economy
Caltrans	California Department of Transportation
CAP	Clean Air Plan/Clean Air Program
CAR	Climate Action Reserve
CARB	California Air Resources Board

CCAA	California Clean Air Act
CCAR	California Climate Action Registry
CCAT	California Climate Action Team
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
CDL	Construction, Demolition, and Landscaping
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
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Act
CESA	California Endangered Species Act
Cf/gsf/year	Cubic feet by gross square feet per year
Cf/year	Cubic feet per year
CFR	Code of Federal Regulations
CH <sub>4</sub>	methane
CHMIRS	California Hazardous Material Incident Report System
CIWMB	California Integrated Waste Management Board
CLE	contingency-level earthquake
cm	centimeter
CMA	Critical Movement Analysis
CMP	Congestion Management Program
CNDDB	California Natural Diversity Database
CNEL	community noise equivalent level
Coastal Act	California Coastal Act

CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
COC	Chemicals of Concern
CPUC	California Public Utilities Commission
C-R	Concentration-Response
CRA/LA	City of Los Angeles Community Redevelopment Agency
CRHR	California Register of Historical Resources
CSLC	California State Lands Commission
CSTF	Contaminated Sediment Task Force
CTR	California Toxics Rule
CUPA	Certified Unified Program Agency
CWA	Clean Water Act
CWC	California Water Code
cy	cubic yard
CZMA	Coastal Zone Management Act
D/C	demand to capacity
dB	decibel
dBA	A-weighted sound level
DDE	dichlorodiphenyldichloroethylene
DDT	dichlorodiphenyltrichloroethane
DMMT	Los Angeles Dredged Material Management Team
DO	dissolved oxygen
DOC	diesel oxidation catalyst
DOT OPS	Department of Transportation Office of Pipeline Safety
DPM	diesel particulate matter
DRO	Diesel Range Organics
DSHA	deterministic seismic hazard analysis
DTR	Drayage Truck Registry
DTSC	California Department of Toxic Substances Control
EDR	Environmental Data Resources
EB	eastbound

ECA	Emission Control Area
EDR	Environmental Data Resources
EEZ	Exclusive Economic Zone
EFH	Essential Fish Habitat
EIS/EIR	Environmental Impact Statement/Environmental Impact Report
ELG	Effluent Limitation Guidelines
EMI	Emissions Inventory
EMS	Environmental Management System; emergency medical service
EO	Executive Order
EPCRA	Emergency Planning and Community Right-to-Know Act
ERL	Effect Range Low
ERM	Effect Range Medium or Environmental Resources Management
ERNS	Emergency Response Notification System
ESA	Endangered Species Act/Environmentally Sensitive Area
FAR	floor area ratio
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FINDS	Facility Index System
FMP	Fishery Management Plan
FP	Fully Protected
fps	feet/foot per second
ft	Feet
FTA	Federal Railroad Administration
FTTS	FIFRA/TSCA Tracking Systems
FY	fiscal year
g	acceleration; gram
g/0.1m <sup>2</sup>	Gram per 0.1 square meter
g/bhp-hr	grams per brake horsepower-hour
g/hp-hr	grams per horsepower-hour
GHG	greenhouse gas
GIS	geographic information system

gpcpd	gallons per capita per day
GP	ExxonMobil/General Petroleum
gpd	gallons per day
Gpd/1000 sf	Gallons per day per 1000 square feet
GPS	Global Positioning System
GMP	Growth Management Plan
gpm	gallons per minute
GRO	gasoline range organics
GRP	Glass-reinforced Plastic Composites
GVW	Gross vehicle weight
GVWR	gross vehicle weight rating
GWP	Global warming potential
Harbor Commission	Los Angeles Board of Harbor Commissioners
HARP	Hot Spot and Analysis Reporting Program
HABS/HAER/HALS	Historic American Building Survey/Historic American Engineering Record/Historic American Landscape Survey
HC	Harbor Craft; hydrocarbon
HCM	City of Los Angeles Historic-Cultural Monuments
HDT	heavy-duty truck
HDV	heavy-duty vehicles
HFC	hydrofluorocarbon
HHW	higher-high water
HLW	higher-low water
HMI	Hazardous Materials Inventory
HMIRS	Hazardous Materials Incident Reporting System
HMMP	Hazardous Materials Management Plan
HMRRP	Hazardous Materials Release Response Plan
HMTA	Hazardous Materials Transportation Act
hp	horsepower
hp/hr	horsepower per hour
HPOZ	City of Los Angeles Historic Preservation Overlay Zone
HRA	Health Risk Assessment

HUD	Housing and Urban Development
HWIS	Hazardous Waste Information System
Hz	Hertz
I-110	Interstate 110 or Harbor Freeway
I-710	Interstate 710 or Long Beach Freeway
IBC	International Building Code
ICIS	Integrated Compliance Information System
ICTF	Intermodal Container Transfer Facility
IFC	International Fire Code
IMO	International Maritime Organization
IOU	Investor Owned Utilities
IPCC	Intergovernmental Panel on Climate Change
IRP	Integrated Resources Plan
IS	Initial Study
ISPS	International Ship and Port Facility Security
kg	kilogram
Kg/yr	Kilograms per year
kHz	kilohertz
KOP	Key Observation Point
kV	kilovolts
kW	kilowatt
kWh	kilowatt-hour
kWh/sf/year	Kilowatt-hour per square feet per year
kWh/year	Kilowatt-hour per year
LA/LB	Los Angeles and Long Beach
LA Co. Site Mitigation	Los Angeles County Site Mitigation List
LADOT	City of Los Angeles Department of Transportation
LADWP	City of Los Angeles Department of Water and Power
LAFC	City of Los Angeles Fire Code
LAFD	Los Angeles Fire Department
LAHD	Los Angeles Harbor Department

LAMC	Los Angeles Municipal Code
LAPD	Los Angeles Police Department
LARWQCB/RWQCB	Regional Water Quality Control Board, Los Angeles Region
lb/day	pounds per day
LBP	lead-based paint
LCFS	Low-Carbon Fuel Standard
LCP	Local Coastal Program/Local Coastal Plan/Lead-containing Paint
$L_{dn}$	day-night sound level
LDVR	Light-Duty Vehicle Rule
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
$L_n$	noise levels
LNG	liquefied natural gas
LOS	level of service
LPC	Limited Permissible Concentration
LST	Localized Significance Threshold
LUST	Leaking Underground Storage Tank
m	meter
m/s	meter per second
$m^2$	square meter
MATES-II	Multiple Air Toxics Exposure Study
MATES-III	Multiple Air Toxics Exposure Study III
MBTA	Migratory Bird Treaty Act
MCE	maximum credible earthquake
M.D.	mid-day
MDO	marine diesel oil
MEP	Maximum Extent Practical
Metro	Los Angeles County Metropolitan Transportation Authority



MF	microfiltration
MFS	Media Filtration System
mg/cm <sup>2</sup> /day	Milligrams per centimeter squared per day
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
mgd	million gallons per day
MGO	marine gas oil
Mi <sup>2</sup>	Square miles
MLLW	mean lower-low water level
MMPA	Marine Mammal Protection Act
MOA	Memorandum of Agreement
MOTEMS	Marine Oil Terminal Engineering and Maintenance Standards
MOU	Memorandum of Understanding
MRR	Mandatory Greenhouse Gas Reporting Rule
MRZ	Mineral Resource Zone
MSB	Marine Safety Branch
MSDS	Material Safety Data Sheet
MSL	mean sea level
MS4	municipal separate storm sewer system
MTBE	methyl tertiary butyl ether
MTSA	Maritime Transportation Security Act
MW	Monitoring Well; megawatts
M <sub>w</sub>	Magnitude
MWD	Metropolitan Water District of Southern California
N <sub>2</sub> O	Nitrous oxide
NAAQS	National Ambient Air Quality Standards
N/A	Not Applicable
NAGPRA	Native American Graves Protection and Repatriation Act of 1990
NAHC	Native American Heritage Commission
NB	northbound
NCHRP	National Cooperative Highway Research Program Report
NEL	Numeric Effluent Limit

NEPA	National Environmental Policy Act
NFPA	National Fire Protection Association
Ng/g	Nanograms per gram
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
NNI	no net increase
NO <sub>2</sub>	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NOP	Notice of Preparation
NO <sub>x</sub>	nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NPS	National Park Service
NRC	National Response Center
NRHP	National Register of Historic Places
NTU	Nephelometric turbidity unit
NWS	National Weather Service
O <sub>2</sub>	oxygen
O <sub>3</sub>	ozone
OAPCA	Organotin Antifouling Paint Control Act
OEHHA	Office of Environmental Health Hazard Assessment
Officer/mi <sup>2</sup>	Officer per square miles
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 Administration
OSPR	Office of Spill Prevention and Response
PAH	polycyclic aromatic hydrocarbon
Pb	lead
PCAC	Port Community Advisory Committee
PCB	polychlorinated biphenyl
PCE	passenger car equivalent
PCH/ SR-1/Route 1	Pacific Coast Highway
PERP	Portable Equipment Registration Program
PFC	perfluorocarbon
pH	hydrogen ion concentration
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
PMP	Port of Los Angeles Master Plan
POLA or Port	Port of Los Angeles
POLB	Port of Long Beach
Port Police	Los Angeles Harbor Department Police
Porter-Cologne Act	Porter-Cologne Water Quality Control Act
pph	Persons per household
ppm	parts per million
ppmv	parts per million by volume
ppt	parts per thousand
PRC	Public Resources Code
PSA	Preliminary Site Assessment
psi	pounds per square inch
PSU	Practical Salinity Units
PUC	Public Utilities Commission
RAP	Remedial Action Plan
RCNM	Roadway Construction Noise Model
RCP	Regional Comprehensive Plan

RCRA	Resource Conservation and Recovery Act
RCRA-LQG	Resource Conservation and Recovery Act - Large Quantity Generators
RCRA-NonGen	Resource Conservation and Recovery Act – Non-generating Hazardous Waste
RCRA-SQG	Resource Conservation and Recovery Act – Small Quantity Generators
REL	reference exposure level
RENEW LA Plan	Recovering Energy, Natural Resources, and Economic Benefit from Waste for Los Angeles
RES	Renewable Electricity Standard
RFP	request for proposal
RHA	Rivers and Harbors Act
RHNA	Regional Housing Needs Assessment
RMP	Regional Mobility Plan; Risk Management Plan
RO	reverse osmosis
RPS	Renewable Portfolio Standard
RRP	Release Response Plan
RTP	Regional Transportation Plan
SAR	Service area request
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill; southbound
SBCCOG	South Bay Cities Council of Governments
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
SCCIC	South Central Coastal Information Center
SCEMP	Southern California Eelgrass Mitigation Policy
SQG	small quantity generator
SEA	Significant Ecological Area
SERC	State Emergency Response Commission
sq ft or sf	Square feet
SF <sub>6</sub>	sulfur hexafluoride
SFM	State Fire Marshall

SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SLC	State Lands Commission
SLIC	Spills, Leaks, Investigation, and Cleanup Cost Recovery
SO <sub>2</sub>	sulfur dioxide
SO <sub>x</sub>	sulfur oxide
SQG	small quantity generator
SQO	Sediment Quality Objectives
SR	State Route
SR-91	Artesia Freeway
SR-103, SR-47	Terminal Island Freeway
SSC	Species of Special Concern
SSO	Ship Security Officer
ST	Short-term noise measurement location
STLC	Soluble Threshold Limit Concentration
SUSMP	Standard Urban Stormwater Mitigation Plan
SVE	soil vapor extraction
SWEEPS UST	Statewide Environmental Evaluation and Planning System
SWF/LF	Solid Waste Facility/Landfill
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
Tailoring Rule	Prevention of Significant Deterioration and Title V Greenhouse Gas Tailoring Rule
TBA	tertiary butyl alcohol
TBT	tributyltin
TCLP	Toxicity Characteristics Leaching Potential
TCP	traditional cultural property
TCR	The Climate Registry
TISA	Terminal Island Service Area
TIWRP	Terminal Island Water Reclamation Plant

TMDL	total maximum daily load
Tons/day	Tons per day
Tons /employee/year	Tons per employee per year
Tons/year	Tons per year
TPH	total petroleum hydrocarbon
TRB	Transportation Research Board
TRF	Total Residual Fluorine
TRIS	Toxics Release Inventory Systems
TSCA	Toxic Substance Control Act
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentrations
TWIC	Transportation Worker Identification Credential
U.S. or US	United States
UBC	Uniform Building Code
UFP	ultrafine particle (less than 0.1 microgram in diameter)
ULSD	ultra-low-sulfur diesel
USACE	United States Army Corps of Engineers
USC	United States Code
USCG	United States Coast Guard
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USFWS BCC	U.S. Fish and Wildlife Service Bird of Conservation Concern
UST	underground storage tanks
UWMP	Urban Water Management Plan
V/C	volume to capacity
VCP	Voluntary Cleanup Program
VGP	Vessel General Permit
VOC	volatile organic compound
VSRP	Vessel Speed Reduction Program
VTS	Vessel Traffic System/Vessel Traffic Service
WB	westbound

WCATWC	West Coast and Alaska Tsunami Warning Center
WDR	Waste Discharge Requirements
WDS	Waste Discharge System
WMUDS/SWAT	Waste Management Unit Database System/State Water Resources Control Board
WRAP	Water Resources Action Plan
WQS	Water Quality Standards
WSA	Water Supply Assessment
Wt%	weight

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