

Chapter 27

ABBREVIATIONS

σ_t	Seawater density
°C	degrees Celsius
°F	degrees Fahrenheit
$\mu\text{g/L}$	micrograms per liter
$\mu\text{g/m}^3$	micrograms per cubic meter
μm	microns
μPa	micropascals
2010 Plan	JOS 2010 Master Facilities Plan
AADT	average annual daily traffic
AASHTO	American Association of State Highway and Transportation Officials
ACGs	allisions, collisions, and groundings
ACHP	Advisory Council on Historic Preservation
ADL	Aerially deposited lead
AER	Annual Emissions Reporting
AES	aesthetic resources
AFY	acre-feet per year
Alquist-Priolo Act	Alquist-Priolo Earthquake Fault Zoning Act
APE	area of potential effects
AQ	air quality
AQMP	air quality management plan
ARB	Air Resources Board
ASBS	area of special biological significance
ATCM	Airborne Toxic Control Measure
ATCS	Adaptive Traffic Control System
ATSAC	automated traffic surveillance and control
AWOIS	Automated Wreck and Obstruction Information System
AWTF	Advanced Water Treatment Facility

BAAQMD	Bay Area Air Quality Management District
BACT	best available control technology
basin plan	Water Quality Control Plan for the Los Angeles River Basin (Region 4)
BGEPA	Bald Eagle and Golden Eagle Protection Act
bgs	below ground surface
BIO	terrestrial biological resources
BIOS	Biogeographic Information and Observation System
BLM	U.S. Bureau of Land Management
BMPs	best management practices
BO	Biological Opinion
BOEMRE	Bureau of Ocean Energy Management, Regulation, and Enforcement
BP	before present
BRI	Benthic Response Index
BTEX	benzene, toluene, ethyl benzene, and xylenes
BUs	beneficial uses
CAA	Clean Air Act
Cal/OSHA	California Occupational Safety and Health Program
CalARP	California Accidental Release Prevention Program
CalEPA	California Environmental Protection Agency
Caltrans	California Department of Transportation
CalWater	California Water Service Company
CAO	cleanup and abatement orders
CARB	California Air Resources Board
CCA	California Coastal Act
CCC	California Coastal Commission
CCMP	California Coastal Management Program
CCNM	California Coastal National Monument
CCR	California Code of Regulations
CDFG	California Department of Fish and Game
CDMG	California Division of Mines and Geology
CDO	cease and desist orders
CEC	California Energy Commission

CEQ	Council on Environmental Quality
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CFU	colony forming units
CGS	California Geological Survey
CH ₄	methane
CHHSLs	California Human Health Screening Levels
CI	cast iron
CIWQS	California Integrated Water Quality System Project
cm/s	centimeters per second
CMA	critical movement analysis
CMP	Congestion Management Program
CNEL	community noise equivalent level
CNG	compressed natural gas
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide-equivalent
committee	Harbor Safety Committee
Construction General Permit	General Permit for Discharges of Storm Water Associated with Construction Activity
Corps	U.S. Army Corps of Engineers
Cortese List	Department of Toxic Substances Control Hazardous Waste and Substances Sites
COTP	Captain of the Port
CPUC	California Public Utilities Commission
CR	California Code of Regulations
CR GRP	Climate Registry General Reporting Protocol
CRA	Colorado River Aqueduct
CRHR	California Register of Historic Resources
CSLC	California State Lands Commission
CSTF	Contaminated Sediment Task Force
CTR	California Toxics Rule
CUL	cultural resources
CWA	Clean Water Act

CWC	California Water Code
CZARA	Coastal Zone Act Reauthorization Amendments of 1990
CZMA	Coastal Zone Management Act
D/C	demand-to-capacity
DA	Department of the Army
dB	decibel
dB re 1 μ Pa	decibel reference pressures that are 1 millionth of a Pascal
dBA	A-weighted decibels
dB _{PEAK}	decibels peak
dB _{RMS}	decibels root mean square
DDT	dichlorodiphenyltrichloroethane
DDT/PCB	dichlorodiphenyltrichloroethane/polychlorinated biphenyl
DFSP	Defense Fuel Support Point
DO	dissolved oxygen
DOF	California Department of Finance
DOGGR	California Division of Oil, Gas, and Geothermal Resources
DOT	U.S. Department of Transportation
DPM	diesel particulate matter
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
EDD	Employment Development Department
EDR	Environmental Data Resources, Inc.
EEZ	Exclusive Economic Zone
EFH	essential fish habitat
EIR	environmental impact report
EIR/EIS	environmental impact report/environmental impact statement
EIS	environmental impact statement
EMD	Emergency Management Department
EMS	emergency medical services
EPA	U.S. Environmental Protection Agency
EPB	earth-pressure balance
ESA	Endangered Species Act
FAA	Federal Aviation Administration
FHWA	Federal Highway Administration

FIRM	Flood Insurance Rate Map
FMPs	Fishery Management Plans
FORCO	Fletcher Oil and Refining Company
FRA	Federal Railroad Administration
ft/s	feet per second
FTA	Federal Transit Administration
FWPCA	Federal Water Pollution Control Act
g	acceleration due to gravity
g/bhp-hr	brake horsepower-hour
gpcd	gallons per capita per day
General Construction Permit	NPDES General Permit for Discharges of Storm Water Runoff Associated with Construction Activity
GEO	geology, soils, and mineral resources
GHG	greenhouse gas
GMWD	Global Maritime Wrecks Database
GVWR	gross vehicle weight rating
GWh	gigawatt hours
GWP	global warming potential
H ₂ S	hydrogen sulfide
HABs	harmful algal blooms
HAZ	hazards and hazardous materials
HCP	habitat conservation plan
HDPE	high-density polyethelene
HMI	hazardous materials inventory
hp	horsepower
HPOZ	historic preservation overlay zone
HRA	health risk analysis
HSWA	Hazardous and Solid Waste Amendments of 1984
HUD	Housing and Urban Development
HWCA	Hazardous Waste Control Act
HYD	hydrology, water quality (fresh water), and public health
Hz	hertz
ICF	ICF International
I-	Interstate

IHA	Incidental Harassment Authorization
IPCC	Intergovernmental Panel on Climate Change
IRP	Integrated Resources Plan
ITE	Institute of Transportation Engineers
ITS	Incidental Take Statement
IWG	Interagency Working Group
JEIP	Joint Emissions Inventory Program
JO	Joint Outfall
JOD	Joint Outfall Districts
JOS	Joint Outfall System
JWPCP	Joint Water Pollution Control Plant
kg	kilogram
kHz	kilohertz
KOP	key observation point
kV	kilovolts
kVA	kilovolt-amps
kWh	kilowatt hours
LACAWRP	La Cañada Water Reclamation Plant
LACDPW	Los Angeles County Department of Public Works
LACFCD	Los Angeles County Flood Control District
LADOT	Los Angeles Department of Transportation
LADWP	Los Angeles Department of Water and Power
LAHD	Los Angeles Harbor Department
LAHD Construction Guidelines	LAHD Sustainable Construction Guidelines for Reducing Air Emissions
LARWQCB	Los Angeles Regional Water Quality Control Board
LAUSD	Los Angeles Unified School District
LAXT	Los Angeles Export Terminal
LBWRP	Long Beach Water Reclamation Plant
LCFS	low carbon fuel standard
LCP	local coastal program
LCWRP	Los Coyotes Water Reclamation Plant
L_{dn}	day-night level
L_{eq}	equivalent sound level

L _{eq} [h]	1-hour A-weighted equivalent sound level
L _{max}	maximum sound level
LEDPA	least environmentally damaging practicable alternative
LNM	Local Notice to Mariners
LOA	Letter of Authorization
LOS	level of service
LPG	Liquefied Petroleum Gas
LSTs	Localized significance thresholds
LTM-04	long-term control measure No. 4
LTPP	Long Term Procurement Plan
LU	land use
LUSTs	leaking underground storage tanks
L _{xx}	Percentile-exceeded sound level
m/s	meters per second
MAR	marine environment
Marine Exchange	Marine Exchange of Southern California
MATES	Multiple Air Toxics Exposure Study
MBTA	Migratory Bird Treaty Act
MFP	Master Facilities Plan
MG	million gallons
mg/L	milligrams per liter
MGD	million gallons per day
M _L	local magnitude
MLLW	mean lower low water level
MLMA	Marine Life Management Act of 1998
MLPA	Marine Life Protection Act of 1999
MM	Mitigation Measure
MMPA	Marine Mammal Protection Act
MMS	Minerals Management Service
MPA	marine protected area
mph	miles per hour
MPRSA	Marine Protection, Research, and Sanctuaries Act
MS4	Municipal Separate Storm Sewer Systems
MSA	Magnuson-Stevens Fishery Conservation and Management Act

MSB	Marine Safety Branch
MSHCP	Multi-Species Habitat Conservation Plan
MT	metric tons
MTA	Los Angeles County Metropolitan Transportation Authority
MTSA	Maritime Transportation Security Act
mt _y	metric tons per year
MW	megawatts
M _w	moment magnitude
MWD	Metropolitan Water District of Southern California
MWh	megawatt-hours
N ₂ O	nitrous oxide
NAAQS	national ambient air quality standards
NAC	noise abatement criteria
NAHC	Native American Heritage Commission
NEPA	National Environmental Policy Act
NFIP	National Flood insurance Program
NHPA	National Historic Preservation Act
NHTSA	National Highway Traffic Safety Administration
nm	nautical miles
NMFS	National Marine Fisheries Service
NMHC	non-methane hydrocarbons
NO ₂	nitrogen dioxide
NOAA	National Oceanic and Atmospheric Administration
NOD	notice of determination
NOI	terrestrial noise and vibrations
NOP	notice of preparation
NOP/NOI	notice of preparation/notice of intent
NORS	North Outfall Replacement Sewer
NO _x	nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historic Places
O ₃	ozone
Ocean Plan	Water Quality Control Plan for Ocean Waters of California
OCS	Outer Continental Shelf

ODMDS	Ocean Dredged Material Disposal Site
OEHHA	Office of Environmental Health Hazard Assessment
OEM	Office of Emergency Management
OES	Office of Emergency Services
OPR	Office of Planning and Research
OSHA	Occupational Safety and Health Administration
OSPR	California Office of Spill Prevention and Response
PAHs	polycyclic aromatic hydrocarbons
PATON	private aid to navigation
PBR	potential biological removal
PCB	polychlorinated biphenyls
PCEs	passenger car equivalents
PEEP	Pooled Emission Estimating Program
PERP	Portable Equipment Registration Program
PGA	peak ground accelerations
pH	hydrogen ion concentration
PLWTP	Point Loma Wastewater Treatment Plant
PM	particulate matter
PM ₁₀	particulate matter less than 10 microns in diameter
PM _{2.5}	particulate matter less than 2.5 microns in diameter
Porter-Cologne	The Porter-Cologne Water Quality Act
PORTS	Physical Oceanographic Real Time System
POTWs	publicly owned treatment works
POWRP	Pomona Water Reclamation Plant
ppm	parts per million
ppt	parts per thousand
ppv	peak particle velocity
PRC	Public Resources Code
PS	public services
PSHA	probabilistic seismic hazards analyses
psu	practical salinity units
PV Shelf	Palos Verdes Shelf
RCP	reinforced concrete pipe
RCPG	Regional Comprehensive Plan and Guide

RCRA	Resource Conservation and Recovery Act
REC	recreation
RHA	Rivers and Harbors Act
RHNA	Regional Housing Needs Assessment
RMP	risk management plan
RMS	root mean square
RNA	regulated navigation area
ROD	record of decision
RRP	Release Response Plan
RSLs	Regional screening levels
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
Sanitation Districts	Sanitation Districts of Los Angeles County
SAR	Second Assessment Report
SB	Senate Bill
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCB	Southern California Bight
SC-DMMT	Southern California Dredge Material Management Team
SCE	Southern California Edison
SDAB	San Diego Air Basin
SEA	significant ecological area
SEMS	Standardized Emergency Management System
SIP	State Implementation Policy
SJCWRP	San Jose Creek Water Reclamation Plant
SJVAB	San Joaquin Valley Air Basin
SO ₂	sulfur dioxide
SOC	employment, housing, socioeconomics, or environmental justice
SO _x	sulfur oxides
SP Shelf	San Pedro Shelf
SR-	State Route
SR-1	Pacific Coast Highway
SRA	source receptor area

SRF	state revolving fund
SSAB	Salton Sea Air Basin
SVOCs	semi-volatile organic compounds
SWF/LS	solid waste information system sites
SWP	State Water Project
SWPPP	stormwater pollution prevention plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminants
TBM	tunnel boring machine
TITP	Terminal Island Treatment Plant
TMDL	Total Maximum Daily Load
TNM	Traffic Noise Model Lookup program
TraPac	Trans Pacific Container Service Corporation
TRM	marine transportation and traffic
TRT	terrestrial transportation and traffic
TSDFs	treatment, storage, and disposal facilities
TWAS	thickened waste activated sludge
U.S.	United States
UBC	Uniform Building Code
USC	United States Code
USCG	U.S. Coast Guard
USDOT	U.S. Department of Transportation
USFWS	U.S. Fish and Wildlife Service
USGS	United States Geological Survey
USSCS	United States Soil Conservation Service
UTL	utilities, service systems, and energy
UWMP	urban water management plan
V/C	volume-to-capacity
VdB	vibration decibels
VMT	vehicle miles traveled
VOC	volatile organic compounds
VSRP	Vessel Speed Reduction Program
VTs	Vessel Traffic Service
WAS	waste activated sludge

Water Replenishment District	Water Replenishment District of Southern California
waters of the U.S.	waters of the United States
WDRs	waste discharge requirements
WNWRP	Whittier Narrows Water Reclamation Plant
WRP	water reclamation plant
wtpd	wet tons per day
wtpy	wet tons per year
WWECP	Wet Weather Erosion Control Plans
WWII	World War II
ZID	zone of initial dilution