

Acronyms and Abbreviations

$\mu\text{g}/\text{m}^3$	micrograms per cubic meter
°F	degrees Fahrenheit
AC	alternating current
ACGIH	American Conference of Government Industrial Hygienists
AFC	Application for Certification
afy	acre-feet per year
amsl	above mean sea level
ANSI/ASME	American National Standards Institute/ American Society for Mechanical Engineers
APE	area of potential effect
API	American Petroleum Institute
APLIC	Avian Power Line Interaction Committee
ASHRAE	American Society of Heating, Refrigerating and Air Conditioning Engineers
AST	Aboveground Storage Tank
ATSF	Atchison, Topeka and Santa Fe Railroad
AVO	average vehicle occupancy
BAAQMD	Bay Area Air Quality Management District
BACT	Best Available Control Technology
BFD	bird flight diverters
BMP	Best Management Practices
BMPs	Best Management Practices
BNSF	Burlington Northern Santa Fe
BOE	Board of Equalization
BRMIMP	Biological Resources Mitigation Implementation and Monitoring Plan

CA OEIHA	California Office of Environmental Health Hazard Assessment
CAA	Clean Air Act
CAISO	California Independent System Operator
CalARP	California Accidental Release Prevention Program
CalEPA	California Environmental Protection Agency
Cal-OSHA	California Occupational Safety and Health Administration
CARB	California Air Resources Board
CBC	California Building Code
CBO	Chief Building Official
CCC	California Coastal Commission
CCR	California Code of Regulations
CDE	California Department of Education
CDFG	California Department of Fish and Game
CDOGGR	California Division of Oil, Gas and Geothermal Resources
CDP	coastal development permit
CEC	California Energy Commission
CECP	Carlsbad Energy Center Project
CEDD	California Employment Development Department
CEM	continuous emission monitoring
CEMS	continuous emission monitoring systems
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
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CESA	California ESA
CFD	Carlsbad Fire Department
CFR	Code of Federal Regulations
cfs	cubic feet per second
CHP	California Highway Patrol

CHRIS	California Historical Resources Information System
CHU	Carlsbad Hydrologic Unit
CIWMA	California Integrated Waste Management Act
CMP	Congestion Management Program
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
COD	commercial online dates
CPD	Carlsbad Police Department
CPM	Compliance Project Manager
CPUC	California Public Utility Commission
CRHR	California Register of Historic Resources
CRS	Cultural Resources Specialist
CSC	California Species of Concern
CSS	Construction Safety Supervisor
CTG	combustion turbine generator
CUPA	Certified Unified Program Agency
CVC	California Vehicle Code
CWA	Clean Water Act
D/E	Dish/Engine
DAS	data acquisition system
dB	decibel
dBA	decibels, A-weighted
DBE	Design Basis Earthquake
DC	direct current
DCS	distributed control system
DEH-HIRT	Hazardous Materials Division
DOC	Determination of Compliance
DOE	U.S. Department of Energy

DOF	Department of Finance
DPM	Diesel particulate matter
DSS	Diegan coastal sage scrub
EAF	equivalent availability factor
EHS	extremely hazardous substance
EIR	Environmental Impact Review
EJ	Environmental Justice
EMF	electric and magnetic field
EPCRA	Emergency Planning and Community Right-to-Know Act
ERPG	Emergency Response Planning Guideline
ERPG-1	Maximum airborne concentration below which nearly all individuals could be exposed for up to 1 hour without experiencing other than mild transient adverse health effects
ERPG-2	Maximum airborne concentration below which nearly all individuals could be exposed for up to 1 hour without developing irreversible or serious health effects
ERPG-3	Maximum airborne concentration below which nearly all individuals could be exposed for up to 1 hour without experiencing life-threatening health effects
ESA	Endangered Species Act
ESCP	Erosion and Sedimentation Control Plan
EWA	Encina Wastewater Authority
FAA	Federal Aviation Administration
FEMA	Federal Emergency Management Agency
FY	Fiscal year
g/m ² /year	grams per square meter per year
GHG	greenhouse
GO-95	General Order 95
gpm	gallons per minute
GSU	generator step-up
GWh	gigawatt hours
HARP	Hotspots Analysis and Reporting Program

HCM	<i>Highway Capacity Manual</i>
HMBP	Hazardous Materials Business Plan
HMD	Hazardous Materials Division
HMP	Habitat Management Plan
HRSG	heat recovery steam generator
HTW	high-temperature-water
HWCL	Hazardous Waste Control Law
Hz	hertz
I/O	input/output
I-5	Interstate 5
IDLH	Immediately dangerous to life and health
ISIS	Interconnection System Impact Studies
JRP	JRP Historical Consulting
ka	thousand years ago
KOP	Key Observation Points
kV	kilovolt
kV/m	kilovolts per meter
LACM	Los Angeles County Museum of Natural History
LC	load center
LCP	Local Coastal Program
LD50	Dose lethal to 50 percent of those tested
LDLO	Lowest published lethal dose
LEPC	local emergency planning committee
L_{eq}	Equivalent Noise Level
LFMZ	Local Facilities Management Zone
LHV	lower heat value
L_n	Percentile Noise Level
LO/TO	Lock-out/tag-out
LORS	laws, ordinances, regulations, and standards

LOS	Level of Service
LUP	Land Use Plan
MCCs	motor control centers
MCE	Maximum Credible Earthquake
MEI	maximum exposed individual
MEIR	Maximally Exposed Individual Resident
MEIW	Maximally Exposed Individual Worker
mg/kg	Milligrams per kilogram
mg/m ³	Milligrams per cubic meter
mgd	Million gallons per day
mgY	million gallons per year
MHCP	Multiple Habitat Conservation Plan
MICR	maximum incremental cancer risk
MMBtu/hr	million British thermal units per hour
MRZ	Mineral Resource Zone
MSA	Metropolitan Statistical Area
MSDS	Material Safety Data Sheet
msl	mean sea level
MW	megawatt
NAHC	Native American Heritage Commission
NCCP	Natural Community Conservation Planning
NCTD	North County Transit District
NERC	North American Electrical Reliability Council
NFPA	National Fire Protection Association
ng/m ³	nanograms per cubic meter
NHPA	National Historic Preservation Act
NIEHS	National Institute of Environmental Health Sciences
NIOSH	National Institute of Occupational Safety and Health
NNG	non-native grassland

NOI	Notice of Intent
NO _x	nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NRCS	National Resources Conservation Service
NRHP	National Register of Historic Places
O&M	operations and maintenance
OEHHA	Office of Environmental Health and Hazard Assessment
OSHA	Occupational Safety and Health Act of 1970
PAHs	polycyclic aromatic hydrocarbons
PBA	peak bedrock acceleration
PCE	passenger car equivalent
PDP	precise development plan
PEL	OSHA permissible exposure limit for 8-hour workday
PFE	Public Facilities Element
PM ₁₀	particulate matter less than 10 microns in equivalent diameter
PMI	Point of Maximum Impact
PPA	Power Purchase Agreement
ppbv	parts per billion by volume
PPE	personal protective equipment
ppm	parts per million
ppmv	parts per million by volume
PRC	Public Resources Code
PRMMP	Paleontological Resources Monitoring and Mitigation Program
PRMs	Paleontological Resource Monitors
PRR	Paleontological Resources Report
PRS	Paleontological Resource Specialist
PU	Public Utility
Pub. L.	Public Law

RCRA	Resource Conservation and Recovery Act
REL	Reference Exposure Level
RMP	Risk Management Plan
RO	reverse osmosis
ROW	right-of-way
RQ	Reportable Quantity
RTP	Regional Transportation Plan
RV	recreational vehicle
RWQCB	Regional Water Quality Control Board
RWUP	Reclaimed Water Use Plan
S&HC	Street and Highways Code
SANDAG	San Diego Association of Governments
SANTEC	San Diego Traffic Engineers' Council
SARA	Superfund Amendments and Reauthorization Act
SCAQMD	South Coast Air Quality Management District
SCR	selective catalytic reduction
SDAPCD	San Diego Air Pollution Control District
SDG&E	San Diego Gas and Electric
SDNHM	San Diego Natural History Museum
SERC	state emergency response commission
SHPO	State Historic Preservation Officer
SoCalGas	Southern California Gas Company
SO _x	sulfur oxides
SPCC	Spill Prevention, Control and Countermeasures
SSC	State of California Seismic Safety Commission
STEL	Short-term exposure limit, 15-minute exposure
STG	steam turbine generator
SUSMP	Standard Urban Storm Water Mitigation Plan
SVP	Society of Vertebrate Paleontology

SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
T-BACT	Toxics Best Available Control Technology
TCLO	Lowest published toxic concentration
TLV	ACGIH threshold limit value for 8-hour workday
TPQ	Threshold Planning Quantity
TQ	Threshold Quantity
TSP	total suspended particulate matter
TWA	NIOSH time-weighted average for 8-hour workday
UBC	Uniform Building Code
ULN	ultra low nitrogen oxide
UPS	uninterruptible power supply
USC	United States Code
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
WDRs	Waste Discharge Requirements
WEAP	Worker Environmental Awareness Program
ZLD	zero liquid discharge