

Acronyms and Abbreviations

µg/m ³	micrograms per cubic meter
°F	degrees Fahrenheit
3-D	three dimensional
AADV	annual average daily volume
AAQS	ambient air quality standards
AB	Assembly Bill
ACE	Altamont Commuter Express
ACFD	Alameda County Fire Department
ADT	average daily traffic
AFC	Application for Certification
afy	acre-feet per year
amsl	above mean sea level
ANSI	American National Standards Institute
API	American Petroleum Institute
APLIC	Avian Power Line Interaction Committee
ARB	California Air Resources Board
ASME	American Society of Mechanical Engineers
AST	aboveground storage tank
ATC	Authority to Construct
ATCM	airborne toxics control measure
BA	biological assessment
BAAQMD	Bay Area Air Quality Management District
BACT	best available control technology
BBID	Byron Bethany Irrigation District
BMP	Best Management Practice
BO	Biological Opinion

BRMIMP	Biological Resources Mitigation Implementation Monitoring Plan
CAA	Clean Air Act
CAAQS	California Ambient Air Quality standards
CAISO	California Independent System Operator
CalARP	California Accidental Release Program
Cal-OSHA	California Occupational Safety and Health Administration
Caltrans	California Department of Transportation
CAS	Chemical Abstract Service
CATEF	California Air Toxics Emission Factors
CBC	California Building Code
CBOC	California Burrowing Owl Consortium
CCAR	California Climate Action Registry
CCR	California Code of Regulations
CCTS	Central California Taxonomic System
CDFG	California Department of Fish and Game
CEC	California Energy Commission
CEMS	Continuous Emission Monitoring System
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CGS	California Geologic Survey
CH ₄	methane
CHP	California Highway Patrol
CHRIS	California Historical Resources Information System
CIWMA	California Integrated Waste Management Act
CIWMB	California Integrated Waste Management Board
CNDDDB	California Natural Diversity Data Base
CNPS	California Native Plant Society

CO	carbon monoxide
CO ₂	carbon dioxide
CPM	compliance project manager
CPUC	California Public Utilities Commission
CRHR	California Register of Historical Resources
CRLF	California red-legged frog
CTG	combustion turbine generator
CTS	California tiger salamander
cu. yd.	cubic yard
CUPA	Certified Unified Program Agency
CVC	California Vehicle Code
CVP	Central Valley Project
CWA	Clean Water Act
CWHR	California Wildlife Habitat Relationships Program
dB	decibel
dBA	A-Weighted Sound Pressure Level
DBE	design basis earthquake
DEH	Alameda County Department of Environmental Health
DEM	Digital Elevation Model
DESCP	drainage, erosion, and sediment control plan
DPR	California Department of Parks and Recreation
dscf	dry standard cubic foot
DTSC	California Department of Toxic Substances Control
EACCS	East Alameda County Conservation Strategy
EAEC	East Altamont Energy Center
ECAP	East County Area Plan
ECCHCP	East Contra Costa County Habitat Conservation Plan
EDR	Environmental Data Resources
EHS	extremely hazardous substance

EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act of 1986
ESA	Endangered Species Act or Environmental Site Assessment
FAA	Federal Aviation Administration
FAR	floor area ratio
FMMP	Farmland Mapping and Monitoring Program
ft-lbs/blow	foot pounds per blow
GE	General Electric
GEP	good engineering practice
GRP	General Reporting Protocol
GWP	global warming potential
HAP	hazardous air pollutant
hazmat	hazardous materials
HCM	Highway Capacity Manual
HFC	hydrofluorocarbon
HMBP	Hazardous Materials Business Plan
HMD	Hazardous Material Division
HOV	high-occupancy vehicle
hp	horsepower
HRA	health risk assessment
HSP	Health and Safety Plan
HWCL	Hazardous Waste Control Law
I	Interstate
ICE	internal combustion engine
IDLH	immediately dangerous to life and health
K	degrees Kelvin
KOP	Key Observation Points
kV	kilovolt
kW	kilowatt

lb/event	pound per event
lb/hr	pound(s) per hour
LD ₅₀	Dose lethal to 50 percent of those tested
L _{dn} (or DNL)	Day-Night Sound Level
LEPC	local emergency planning committee
L _{eq}	equivalent sound pressure level
L _n	Percentile Noise Level
LO/TO	Lock-out/tag-out
LORS	laws, ordinances, regulations, and standards
LOS	level of service
m/s	meter(s) per second
Ma	million years ago
MACT	maximum achievable control technology
MCE	maximum credible earthquake
MEIR	maximum exposed individual resident
MEIW	maximum exposed individual worker
MEP	Mariposa Energy Project
mgd	million gallons per day
mg/kg	milligrams per kilogram
mg/kg-day	milligrams per kilogram per day
mg/m ³	milligrams per cubic meter
MHCSD	Mountain House Community Services District
ML	Richter magnitude
mL	milliliter
mm	millimeter
MMBtu/hr	million British thermal units per hour
MOU	Memorandum of Understanding
mph	miles per hour
MRF	materials recovery facility

MSDS	Material Safety Data Sheet
MTC	Metropolitan Transportation Commission
Mw	maximum magnitude earthquake
MW	megawatt
N ₂ O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAD 27	1927 North American Datum
NAHC	Native American Heritage Commission
NCCP	Natural Community Conservation Plan
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NFPA	National Fire Protection Association
ng/J	nanograms per Joule
NH ₃	ammonia
NHPA	National Historic Preservation Act
NO	nitric oxide
NO ₂	nitrogen dioxide
NO _x	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
NRHP	National Register of Historical Places
NSR	New Source Review
O ₂	oxygen
OCA	Offsite Consequences Analysis
OEHHA	Office of Environmental Health Hazard Assessment
OLM	ozone limiting method
OSHA	Occupational Safety and Health Administration
PAH	polyaromatic hydrocarbons
PBA	Peak Bedrock Acceleration
PCB	polychlorinated biphenyl
PCE	passenger car equivalent

PEL	permissible exposure limit for 8-hour workday
PFC	perfluorocarbon
PG&E	Pacific Gas and Electric Company
PM _{2.5}	particulate matter with aerodynamic diameter less than or equal to 2.5 microns
PM ₁₀	particulate matter with aerodynamic diameter less than or equal to 10 microns
PMI	point of maximum impact
POC	precursor organic compound
PPE	personal protective equipment
ppbv	parts per billion by volume
ppm	parts per million
ppmvdc	parts per million by volume, corrected to 15% oxygen
PRMMP	Paleontological Resources Monitoring and Mitigation Program
PRS	Paleontological Resource Specialist
PSD	Prevention of Significant Deterioration
PTO	Permit to Operate
RCRA	Resource Conservation and Recovery Act
RELS	Reference Exposure Levels
RMP	Risk Management Plan
RQ	Reportable Quantities
RUSLE2	Revised Universal Soil Loss Equation
RWQCB	Regional Water Quality Control Board
S&HC	California Street and Highways Code
SARA	Superfund Amendments and Reauthorization Act
SCAQMD	South Coast Air Quality Management District
SCR	selective catalytic reduction
SERC	state emergency response commission
SF ₆	sulfur hexafluoride
SJCOG	San Joaquin Council of Governments

SJKF	San Joaquin kit fox
SJVAPCD	San Joaquin Valley Air Pollution Control District
SO ₂	sulfur dioxide
SO _x	oxides of sulfur
SPCC	Spill Prevention Control and Counter Measures
SR	State Route
STEL	short-term exposure limit, 15-minute exposure
SVP	Society of Vertebrate Paleontology
SWP	State Water Project
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
TBACT	Best Available Control Technology for Toxics
TDSWM	Tracy Delta Solid Waste Management, Inc.
TLV	threshold limit value for 8-hour workday
TMP	Traffic Management Plan
TPH	total petroleum hydrocarbons
TPQ	threshold planning quantities
tpy	ton(s) per year
TQ	threshold quantity
TSD	treatment, storage, and disposal
TSP	total suspended particulates
TWA	time-weighted average for 8-hour workday
UBC	Uniform Building Code
UCMP	University of California Museum of Paleontology at Berkeley
USACE	U.S. Army Corps of Engineers
USC	United States Code
USDA-NRCS	U.S. Department of Agriculture, Natural Resources Conservation Service
USFWS	U.S. Fish and Wildlife Service

USGS	U.S. Geological Survey
UTM	Universal Transverse Mercator Projection
v/c	volume to capacity ratio
VCAPCD	Ventura County Air Pollution Control District
VMT	vehicular miles traveled
VOC	volatile organic compound
WAPA	Western Area Power Administration
WGNCEP	Working Group on Northern California Earthquake Potential
WWTP	wastewater treatment plant
ZLD	zero-liquid discharge