

Acronyms and Abbreviations

µg/m ³	micrograms per cubic meter
°F	degrees Fahrenheit
3-D	three-dimensional
AB	Assembly Bill
AC	alternating current
ADT	Average Daily Traffic
AERMIC	American Meteorological Society/Environmental Protection Agency Regulatory Model Improvement Committee
AFC	Application for Certification
afy	acre-feet per year
AGC	automatic generation control
AGL	above ground level
ALUC	Airport Land Use Commission
ALUCP	Airport Land Use Compatibility Plan
ALUP	Airport Land Use Plan
ANSI/ASME	American National Standards Institute/American Society of Mechanical Engineers
APCDs	air pollution control districts
APCO	Air Pollution Control Officer
APE	area of potential effect
APN	Assessor's Parcel Number
AQMDs	air quality management districts
ASME	American Society of Mechanical Engineers
AST	aboveground storage tank
BAAQMD	Bay Area Air Quality Management District
BACT	best available control technology
Basin Plan	San Francisco Bay Basin Water Quality Control Plan

BMPs	Best Management Practices
BPIP	Building Profile Input Program
Btu	British thermal units
Btu/kWh	British thermal units per kilowatt hour
CAA	Clean Air Act
CAISO	California Independent System Operator
Cal/OSHA	California Division of Occupational Safety and Health
CalARP	California Accidental Release Program
Cal-OSHA	California Occupational Safety and Health Administration
Caltrans	California Department of Transportation
CARB	California Air Resources Board
Carlton	Carlton Engineering, Inc.
CAS	Chemical Abstract Service
CBC	California Building Code
CCR	California Code of Regulations
CCTC	Central California Traction Company
CDC	California Department of Conservation
CDFG	California Department of Fish and Game
CDOGGR	California Division of Oil, Gas and Geothermal Resources
CDPD	Cellular Digital Pocket Data
CEC	California Energy Commission
CEDD	California Employment Development Department
CEMS	continuous emission monitoring system
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFR	Code of Federal Regulations
CHP	California Highway Patrol
CHRIS	California Historical Resources Information System
CHWMP	County Hazardous Waste Management Plan

CIWMB	California Integrated Waste Management Board
CNDDDB	California Natural Diversity Data Base
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CPM	compliance project manager
CPUC	California Public Utilities Commission
CRS	Cultural Resource Specialists
CTG	combustion turbine-generator
CTG1	Combustion Turbine Project Number 1
CUPA	Certified Unified Program Agency
CVC	California Vehicle Code
CVWS	Central Valley Waste Services
CWA	Clean Water Act
dB	decibels
dBA	A-weighted decibels
DC	direct current
DCS	distributed control system
DEM	Digital Elevation Model
DESCP	drainage, erosion, and sediment control plan
DOF	California Department of Finance
DPM	Diesel particulate matter
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
EAF	equivalent availability factor
EJ	Environmental Justice
EMF	electromagnetic field
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act of 1986

ESA	Endangered Species Act
FAA	Federal Aviation Administration
FAR	Federal Acquisition Regulations
FDOC	Final Determination of Compliance
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FMMP	Farmland Mapping and Monitoring Program
FY	fiscal year
GE	General Electric
GEP	Good Engineering Practices
GHG	greenhouse gas
GO 95	General Order 95
gpm	gallons per minute
GSU	generator step-up
H&SC	Health & Safety Code
HAPs	hazardous air pollutants
HARP	Hotspots Analysis and Reporting Program
HCM	<i>Highway Capacity Manual</i>
HHV	higher heat value
HMBP	Hazardous Material Business Plan
HP	high pressure
HRSG	heat recovery steam generator
HSP	Health and Safety Plan
HWCL	Hazardous Waste Control Law
Hz	hertz
I/O	input/output
I-5	Interstate 5
IFAS	Interconnection Facilities Study
IFR	Instrument Flight Rules

IP	intermediate pressure
ISIS	Interconnection System Impact Study
KOPs	Key Observation Points
kV	kilovolt
L _{dn} or DNL	Day-Night Sound Level
LEA	Local Enforcement Agency
LEC	Lodi Energy Center
LEPC	local emergency planning committee
L _{eq}	equivalent sound pressure level
LGIP	Large Generation Interconnection Procedures
LO/TO	lock-out/tag-out
LORS	laws, ordinances, regulations and standards
LOS	level of service
LP	low pressure
MCCs	motor control centers
MCE	maximum credible earthquake
MEGS	Modesto Electric Generation Station
MEI	maximum exposed individual
MEIR	Maximally Exposed Individual Resident
MEIW	Maximally Exposed Individual Worker
MICR	Maximum Incremental Cancer Risk
MID	Modesto Irrigation District
MMBtu/hr	million British thermal units per hour
MRF	Materials Recovery Facility
MSA	Metropolitan Statistical Area
MSDS	Material Safety Data Sheets
MSHCP	Multi-Species Habitat Conservation and Open Space Plan
MW	megawatts
NAAQS	national ambient air quality standards

NAHC	Native American Heritage Commission
NCPA	Northern California Power Agency
NEC	national electrical code
NEPA	National Environmental Policy Act
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NFPA	National Fire Protection Association
ng/m ³	nanograms per cubic meter
NHPA	National Historic Preservation Act
NHRP	National Register of Historic Places
NIEHS	National Institute of Environmental Health Sciences
NO	nitric oxide
NO ₂	nitrogen dioxide
NOI	Notice of Intent
NO _x	nitrogen oxide
NPDES	National Pollutant Discharge Elimination System
NRC	National Response Center
NRCS	Natural Resources Conservation Service
NSPS	Standards of Performance for New Stationary Sources
NSR	New Source Review
O&M	operations and maintenance
OEHHA	Office of Environmental Health Hazard Assessment
OPR	California Office of Planning and Research
OSHA	Occupational Safety and Health Act of 1970
PA	Participating Agency
PAHs	polycyclic aromatic hydrocarbons
PBA	peak bedrock acceleration
PCBs	polychlorinated biphenyls
PCE	Passenger Car Equivalent
PeMS	Freeway Performance Measurement System

PG&E	Pacific Gas and Electric Company
PM ₁₀	particulate matter with a diameter less than 10 microns
PM _{2.5}	particulate matter with a diameter less than 2.5 microns
PMI	Point of Maximum Impact
ppbv	parts per billion by volume
PPE	Personal Protective Equipment
ppm	parts per million
ppmvd	parts per million by volume, dry basis
PRC	Public Resources Code
PSD	Prevention of Significant Deterioration
psi	pounds per square inch
psig	pounds per square inch gauge
PSMP	Process Safety Management Plan
PTE	potential to emit
Pub. L.	Public Law
RCRA	Resource Conservation and Recovery Act
REL	Reference Exposure Level
Ripon WWTP	City of Ripon Wastewater Treatment Plant
RI-TVI	Radio Interference and Television Interference
RMP	Risk Management Plan
RO	reverse osmosis
RQ	reportable quantities
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
S&HC	Street and Highways Code
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SCADA	Supervisory Control and Data Acquisition
scf	standard cubic feet

SCR	selective catalytic reduction
SDWA	Safe Drinking Water Act
SERC	state emergency response commission
SIP	State Implementation Plan
SJCOG	San Joaquin County Council of Governments
SJSO	San Joaquin Sheriff's Office
SJVAPCD	San Joaquin Valley Air Pollution Control District
SO ₂	sulfur dioxide
SPCC	Spill Prevention Control and Countermeasures
SPRR	Southern Pacific Railroad
SR 160	State Route 160
SR 4	State Route 4
SR 12	State Route 12
STG	steam turbine generator
STIG plant	NCPA Combustion Turbine Project #2
SVAPCD	San Joaquin Valley Air Pollution Control District
SVP	Society of Vertebrate Paleontology
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air contaminant
T-BACT	Toxics Best Available Control Technology
TCE	trichloroethylene
TDS	total dissolved solids
TMDL	total maximum daily loads
TMP	Transportation Management Plan
TPQs	threshold planning quantities
TQ	threshold quantity
TSD	treatment, storage, and disposal
TSP	total suspended particulates

UCMP	University of California Museum of Paleontology at Berkeley
UIC	Underground Injection Control
UIW	underground injection well
UPRR	Union Pacific Railroad
UPS	uninterruptible power supply
USACE	U.S. Army Corps of Engineers
USC	United States Code
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geologic Survey
VFR	Visual Flight Rules
VOC	volatile organic compound
WFPD	Woodbridge Fire Protection District
WPCF	Water Pollution Control Facility
WPRR	Western Pacific Railroad
WSWA	White Slough Wildlife Area
ZLD	zero liquid discharge