

ACRONYMS

§	Section
μS/cm	microsiemens per centimeter
μg/L	micrograms per liter
μg/m ³	micrograms per cubic meter
μPa	micropascals
3D	three dimensional
A.A.	Associate of Arts
AAI	All Appropriate Inquiry
AAQS	Ambient Air Quality Standards
AASHTO	American Association of State Highway and Transportation Officials
AB	Assembly Bill
ABMA	American Boiler Manufacturers Association
AC	alternating current
AC	aftercooler
ACC	amperes continuous capacity
Acfm	actual cubic feet per minute
ACI	American Concrete Institute
ACMs	asbestos-containing materials
ADE	Automated External Defibrillator
ADT	average daily traffic
AF	acre-feet
AFBMA	Anti-Frication Bearing Manufacturers Association
AFC	Application for Certification
afy	acre-feet per year
AGMA	American Gear Manufacturers Association
AI	Asphalt Institute
AICP	American Institute of Certified Planners
AIHA	American Industrial Hygiene Association
AISC	American Institute of Steel Construction
AM	amplitude modulation
AMCA	Air Moving and Conditioning Association
amp	ampere
AMR	American Medical Responses
amsl	above mean sea level
ANSI	American National Standards Institute
APCD	Air Pollution Control District
APE	Area of Potential Effect
API	American Petroleum Institute
APLIC	Avian Power Line Interaction Committee
APN	Assessor's Parcel Number
AQCR	Air Quality Control Region
ARMR	Archaeological Resource Management Report
A.S.	Associate of Science
ASCE	American Society of Civil Engineers
ASHRAE	American Society of Heating, Refrigeration, and Air Conditioning Engineers
ASME	American Society of Mechanical Engineers

ACRONYMS CONTINUED

AST	aboveground storage tank
ASTM	American Society for Testing Materials
ATC	Authority to Construct
AUL	Activity and Use Limitations
AWS	American Welding Society
AWWA	American Water Works Association
B.A.	Bachelor of Arts
B.P.	Before Present
BACT	Best Available Control Technology
BLM	Bureau of Land Management
BLS	Basic Life Support
BMO	Biological Mitigation Ordinance
BMP	Best Management Practices
BOP	balance-of-plant
BRMIMP	Biological Resources Mitigation Implementation and Monitoring Plan
B.S.	Bachelor of Science
Btu	British thermal unit
Btu/kWh	British thermal units per kilowatt hour
°C	degrees Celsius
C&D	construction and demolition
CAA	(Federal) Clean Air Act
CAAA	(Federal) Clean Air Act Amendment
CAAQS	California ambient air quality standards
CaCO ₃	calcium carbonate
CAD	Computer-aided Design
CAISO	California Independent System Operator
Cal-ARP	California Accidental Release Prevention (Program)
Cal-EPA	California Environmental Protection Agency
Cal-IPC	California Invasive Plant Council
Cal-OSHA	California Occupational Safety and Health Administration
Caltrans	California Department of Transportation
CAO	County Administrative Officer
CARB	California Air Resources Board
CAS	Chemical Abstract Number
CATEF	California Air Toxics Emission Factor
CBC	California Building Code
CBOE	California State Board of Equalization
CCA	Corrections Corporation of America
CCR	California Code of Regulations
CCVT	coupling capacitor voltage transformer
CDC	California Department of Conservation
CDFG	California Department of Fish and Game
CDMG	California Division of Mines and Geology
CDOF	California Department of Finance
CDWR	California Department of Water Resources
CEC	California Energy Commission

ACRONYMS CONTINUED

CECP	Carlsbad Energy Center Project
CeDAR	Continuous Emissions Data Acquisition and Reporting
CEMS	Continuous Emissions Monitoring System
CEQA	California Environmental Quality Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act ("Superfund")
CESA	California Endangered Species Act
cf	cubic feet
CFGC	California Fish and Game Code
cfm	cubic feet per minute
CFR	Code of Federal Regulations
cfs	cubic feet per second
CGS	California Geological Survey
CHL	California Historical Landmark
CHP	California Highway Patrol
CHRI	California Historical Resources Inventory
CHRIS	California Historical Resources Information System
CHSC	California Health and Safety Code
CHWCA	California Hazardous Waste Control Act
CHWCL	California Hazardous Waste Control Law
CIWMA	California Integrated Waste Management Act
CIWMB	California Integrated Waste Management Board
CNDDB	California Natural Diversity Data Base
CNEL	Community Noise Equivalent Level
CNPS	California Native Plant Society
CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
COC	Conditions of Certification
COOP	National Weather Service Cooperative Network
CPF	Central Planned Facility
CPHI	California Points of Historical Interest
CPM	Compliance Project Manager
CPM	Construction Project Manager
CPUC	California Public Utility Commission
CRHR	California Register of Historic Resources
CRM	Cultural Resources Monitor
CRMMP	Cultural Resources Monitoring and Mitigation Plan
CRR	Cultural Resource Report
CRS	Cultural Resources Specialist
CRSI	Concrete Reinforcing Steel Institute
CSO	construction safety orders
CSS	Construction Safety Supervisor
CT	combustion turbine
CTG	combustion turbine generator
CTI	Cooling Tower Institute
CUPA	Certified Unified Program Agency
CWA	Clean Water Act

ACRONYMS CONTINUED

CWC	California Water Code
dB	decibels
dBA	decibels 'A' scale
DC	direct current
DCS	distributed control system
DEGADIS	Dense Gas Dispersion Model
DEH	Department of Environmental Health
DESCP	Drainage, Erosion, and Sediment Control Plan
DHS	Department of Homeland Security
DIL	dilution
DIR	Department of Industrial Relations
DMV	Department of Motor Vehicles
DNL	day-night average sound level (or Ldn)
DOC	Determination of Compliance
DOE	U.S. Department of Energy
DOGGR	California Division of Oil, Gas, and Geothermal Resources
DOSH	Division of Occupational Safety and Health
DOT	United States Department of Transportation
DPLU	Department of Planning and Land Use
DPM	Diesel particulate matter
DPR	Department of Parks and Recreation
DPR	Department of Pesticide Regulation
DPW	Department of Public Works
dscf	standard dry cubic feet
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
EAF	equivalent availability factor
EC	elemental carbon
ED	economic development
EDR	Environmental Data Resources, Inc.
EIR	Environmental Impact Report
EIS	Environmental Impact Study
EJ	Environmental Justice
EMDF	East Mesa Detention Facility
EMF	electric and magnetic fields
EMS	emergency medical service
EMT	emergency medical technician
EO	Executive Order
EPC	Engineering, Procurement, and Construction
EPRI	Electric Power Research Institute
ERC	emissions reduction credit
ERNS	Emergency Response Notification System
ERP	Emergency Response Plan
ERPG	Emergency Response Planning Guideline
ESA	Environmental Site Assessment
ESIL	existing scenic integrity level

ACRONYMS CONTINUED

ESO	Electrical Safety Orders
°F	degrees Fahrenheit
FAA	Federal Aviation Administration
fc	compressive strength
FDOC	Final Determination of Compliance
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Committee
FESA	Federal Endangered Species Act
FHWA	Federal Highway Administration
FIRM	Flood Insurance Rate Maps
FM	Factory Mutual
FM	frequency modulation
FMMP	Farmland Mapping and Monitoring Program
ft	foot or feet
FTA	Federal Transit Administration
g	gravity
gal	gallon
GBDF	George F. Bailey Detention Facility
GDP	General Development Plan
GE	General Electric
GHG	greenhouse gas
GIS	geographical information system
GO	General Order
GPA	General Plan Amendment
gpd	gallons per day
gpm	gallons per minute
GPS	Global Positioning System
GSU	generator step-up unit
H&SC	Health and Safety Code (also HSC)
HAP	Hazardous Air Pollutants
HARP	Hotspots Analysis and Reporting Program
HAZCOM	hazards communication
HazMat	hazardous materials
HCM	Highway Capacity Manual
HCP	Habitat Conservation Plan
HDPE	high-density polyethylene
HEI	Heat Exchange Institute
HHV	high heating value
HIS	Hydraulic Institute Standards
HMBP	Hazardous Materials Business Plan
HMD	Hazardous Materials Division
HMI	Hoist Manufacturers Institute
HMP	Hydromodification Management Plan
HP	horsepower
HRA	Health Risk Assessment
HSC	Health and Safety Code

ACRONYMS CONTINUED

HVAC	heating, ventilating, and air conditioning (system)
Hz	hertz
I	Interstate
I/O	input/output
IA	implementing agreement
IC	intercooler
ICEA	Insulated Cable Engineers Association
ID	Identification
IDLH	immediately dangerous to life and health
IEEE	Institute of Electrical and Electronics Engineers
IES	Illuminating Engineering Society
IIPP	Injury and Illness Prevention Program
in	inch
ISA	Instrument Society of America
ISO	International Organization for Standardization
JHA	job hazard analysis
JSA	Job Safety Analysis
KAIC	thousand amps interrupting capacity
km	kilometer
KOP	Key Observation Point
KPRA	Kingpin-to-rear-axle length
kHz	kilohertz
kV	kilovolts (unit of electrical potential)
kVA	kilovolt-ampere
kV/m	kilovolts per meter
kWh	kilowatt hour
L/kg	liters per kilogram
L10	sound levels equaled or exceeded during 10 percent of measured time
L50	sound levels equaled or exceeded during 50 percent of measured time
L90	sound levels equaled or exceeded during 90 percent of measured time
LAER	Lowest Achievable Emission Rates
lb	pound
lb/hr	pounds per hour
lb/MMBtu	pounds per million British thermal unit
lb/MMcf	pounds per million cubic feet
LBP	lead-based paint
LCD	liquid crystal display
Ldn	day-night average sound level (or DNL)
LEA	Local Enforcement Agency
Leq	equivalent sound level
LHV	lower heating value
LID	Low-Impact Development
Lmax	maximum sound level
Lmin	minimum sound level
LO	lube oil

ACRONYMS CONTINUED

LORS	laws, ordinances, regulations, and standards
LOS	level of service
LP	low pressure
LRP	Licensed Responsible Person
LT	long term
LUST	Leaking Underground Storage Tank
M	magnitude
m/s	meters per second
M ²	square meter
mA	milliamperes
Ma	million years
MACT	maximum available control technology
MBTA	Migratory Bird Treaty Act
MBtu	million British thermal units
MCC	motor control center
MEIR	maximally exposed individual resident
MEIW	maximally exposed individual worker
mG	milligauss (unit of magnetic field strength)
mg/L	milligrams per liter
mg/m ³	milligram per cubic meter
mgd	million gallons/per day
ML	measurement location
Mm	millimeter
MMBtu	million BTUs
MPAC	modular protection automation and control
mph	miles per hour
MRZ	Mineral Resource Zone
MSCP	Multiple Species Conservation Program
MSDS	Material Safety Data Sheet
msl	mean sea level
MSS	Manufacturing Standardization Society of the Valve and Fitting Industry
MUP	Major Use Permit
MVA	megavolt amps
MW	Megawatt
MWD	Metropolitan Water District
MWH	megawatt-hour
NA	not available or not applicable
NAAMM	National Association of Architectural Metal Manufacturers
NAAQS	National Ambient Air Quality Standards
NAAS	Naval Auxiliary Air Station
NAD83	North American Datum of 1983
NADB	National Archaeological Database
NAHC	Native American Heritage Commission
NB	northbound
NCCP	(California) Natural Community Conservation Planning Act
NCDC	National Climatic Data Center

ACRONYMS CONTINUED

ND	not detected, detection limit not available
NED	National Elevation Dataset
NEMA	National Electrical Manufacturers Association
NEPA	National Environmental Policy Act
NERC	North American Electric Reliability Council
NESC	National Electrical Safety Code
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NFPA	National Fire Protection Association
ng/m ³	nanograms per cubic meter
NH ₃	aqueous ammonia
NHPA	National Historic Preservation Act
NIOSH	National Institute of Occupational Safety and Health
NO	nitrogen oxide
NO ₂	nitrogen dioxide
NO ₃	nitrate
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intention
NO _x	nitrogen oxides
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NR	not reported
NRCS	National Resources Conservation Service (formerly Soil Conservation Service, SC)
NRHP	National Register of Historic Places
NSPS	New Source Performance Standards
NSR	New Source Review
NWI	National Wetlands Inventory
NWS ASOS	National Weather Service Automated Surface Observation Station
O ₂	oxygen
O ₃	ozone
O&M	operations and maintenance
OCA	Offsite Consequences Analysis
OEHHA	Office of Environmental Health Hazard Assessment
OES	Office of Emergency Services
OHP	Office of Historic Preservation
OHV	off-highway vehicle
OLM	Ozone-limiting Method
OMGP	Otay Mesa Generating Project
ONAN/ONFA	Oil Nonforced Air Nonforced/Oil Nonforced Air Forced
OSHA	Occupational Safety and Health Administration
OVRP	Otay Valley Regional Park
OWD	Otay Water District
PAH	polycyclic aromatic hydrocarbons
pb	lead
PCB	polychlorinated biphenyl
PCE	passenger car equivalent

ACRONYMS CONTINUED

pCi/l	picoCuries per liter
PDCS	partial dry-cooling system
pf	power factor
PFS	Public Facilities and Services
PGA	peak ground acceleration
PHMSA	Pipeline and Hazardous Materials Safety Administration
PLC	programmable logic control
plf	pounds per linear foot
PM	particulate matter
PM ₁₀	particulates less than 10 microns
PM _{2.5}	particulates less than 2.5 microns
Porter-Cologne	Porter-Cologne Water Quality Control Act
PPA	Power Purchase Agreement
ppb	parts per billion
PPE	personal protective equipment
PPEC LLC	Pio Pico Energy Center, LLC
PPEC	Pio Pico Energy Center
ppm	parts per million
ppmv	parts per million by volume
ppmvd	parts per million, volumetric dry
PRC	Public Resources Code
PRD	Permit Registration Document
PRM	Paleontological Resource Monitor
PRMM	Paleontological Resources Monitoring and Mitigation Plan
PRR	Paleontological Resources Report
PRS	Paleontological Resource Specialist
PSD	Prevention of Significant Deterioration
psf	pounds per square foot
psi	pounds per square inch
psia	pounds per square inch
psig	per square inch gauge
PSM	Process Safety Management
PTC	Permit to Construct
PTE	potential to emit
PTO	Permit to Operate
PTZ	pan, tilt, and zoom
PVC	polyvinyl chloride
PVMMR	plume volume molar ratio method
PVT	power voltage transformer
PWL	power level
QR	evaporation rate
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
REL	reference exposure level
RFO	Request for Offers
RFPD	Rural Fire Protection District

ACRONYMS CONTINUED

RMP	Risk Management Plan
RMP	Resource Management Plan
RMS	root-mean-square
RO	reverse osmosis
ROE	right of entry
ROG	reactive organic gas
ROW	right-of-way
ROWD	Report of Waste Discharge
RPA	Registered Professional Archeologist
RPO	Resource Protection Ordinance
RPW	Relatively Permanent Water
RTU	remote terminal unit
RWQCB	Regional Water Quality Control Board
Sa	spectral acceleration
SA	Staff Assessment
SAM	Social Accounting Matrix
SAM	San Diego Site Assessment and Mitigation
SANDAG	San Diego Association of Governments
SARA	Superfund Amendments and Reauthorization Act
SB	Senate Bill
SB	southbound
SBBM	San Bernardino Base and Meridian
SBWRP	South Bay Water Reclamation Plant
SCADA	Supervisory Control and Data Acquisition
SCAQMD	South Coast Air Quality Management District
SCEC	Southern California Earthquake Data Center
scf	standard cubic feet
SCIC	South Coastal Information Center
SCR	Selective Catalytic Reduction
SCS	Soil Conservation Service
SDAPCD	San Diego Air Pollution Control District
SDCWA	San Diego County Water Authority
SDG&E	San Diego Gas and Electric Company
SDI	Steel Deck Institute
SDNHM	San Diego Natural History Museum
SDRWQCB	San Diego Regional Water Quality Control Board
SDSU	San Diego State University
SDTC	San Diego County Regional Transportation Commission
SDWQCB	State of California Water Quality Control Board, San Diego Region
sec	second
SF ₆	sulfur hexafluoride
SFHA	Special Flood Hazard Area
SHPO	State Historic Preservation Office
SIP	State Implementation Plan
SiO ₂	silicon dioxide
SJVAPCD	San Joaquin Valley Air Pollution Control District
SLF	Sacred Lands File

ACRONYMS CONTINUED

SLM	sound level meter
SMARTS	Stormwater Multi-Application Report Tracking System
SO ₂	sulfur dioxide
SO ₃	sulfite
SO _x	oxides of sulfur
SOC	Standard Occupational Code
SPA	Specific Plan Amendment
SPA	Specific Plan Area
SPCC	Spill Prevention, Control, and Countermeasures
SPLs	sound power levels
SR	State Route
SSM	Stormwater Standards Manual
SSPC	Steel Structures Painting Council
SST	secondary substation transformer
ST	steam turbine
ST	short term
STAA	Surface Transportation Assistance Act
STG	steam turbine generator
STP	shovel test pits
SUHSD	Sweetwater Union High School District
SUS	secondary unit substation
SUSMP	Standard Urban Storm Water Mitigation Plan
SVP	Society for Vertebrate Paleontology
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	toxic air containment
TBACT	Toxic Best Available Control Technology
TBD	to be determined
TDS	total dissolved solids
TEC	Toxic Endpoint Concentration
TEFC	totally enclosed fan cooler
TEMA	Tubular Exchanger Manufacturers Association
THI	total hazard index
TIBL	thermal internal boundary layer
TLV	threshold limit values
TMDL	total maximum daily load
TMP	Transportation Management Plan
TNW	Traditional Navigable Water
tpy	tons per year
TQ	threshold quantity
TSCA	Toxic Substances Control Act
TSDF	treatment, storage, or disposal facility
TSP	total suspended particulate
TWA	time-weighted average
UAT	unit auxiliary transformer
UBC	Uniform Building Code

ACRONYMS CONTINUED

UF	ultra filtration
UFC	Uniform Fire Code
UL	Underwriters Laboratories, Inc.
UMC	Uniform Mechanical Code
UPS	uninterruptible power supply
URS	URS Corporation
U.S.	United States
USACE	United States Army Corps of Engineers
USBR	United States Bureau of Reclamation
USC	United States Code
USDA	United States Department of Agriculture
USDI	United States Department of the Interior
USEPA	United States Environmental Protection Agency (also EPA)
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tank
UTM	universal transverse mercator
UWMP	Urban Water Management Plan
V	volt
V/C	volume-to-capacity ratio
V/m	volts per meter
VAC	volts AC (alternating current)
VAC	visual absorption capability
VBV	variable bypass valve
VDC	volts DC (direct current)
VOC	volatile organic compounds
VRM	visual resource management
VRMM	visual resources mitigation measures
VSOI	Visual Sphere of Influence
WDR	Waste Discharge Requirement
WEAP	Worker Environmental Awareness Program
WECC	Western Electricity Coordinating Council
WoUS	Waters of the United States
WPO	Watershed Protection, Stormwater Management, and Discharge Control Ordinance
WQS	Water Quality Certification
WRMP	Water Resources Master Plan
WSAC	wet surface air cooler
WSS	Web Soil Survey
yr	year
ZLD	zero liquid discharge