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AAL, ATM adaptation layer

AC, alternating current

ACGIH, American Conference of Governmental Industrial Hygienists

ACHP, Advisory Council on Historical Preservation

ACMs, asbestos containing materials

ACSR, aluminum conductor steel reinforced

ACSS, aluminum conductor steel supported

ADT, average daily traffic

AEIC, Association of Edison Illuminating Companies

AFC, Application for Certification

AFY, acre-feet per year

AHM, acutely hazardous material

ANC, acid neutralizing capacity

ANSI, American National Standards Institute

APCD, Air Pollution Control District

APE, Area of Potential Effects

API, American Petroleum Institute

APN, assessors parcel number

APSSZ, Alquist-Priolo Special Study Zone

AQMP, Air Quality Management Plan

AQRV, air quality related values

AS, Assembly Bill

ASCE, American Society of Civil Engineers

ASHRAE, American Society of Heating, Refrigeration, and Air Conditioning Engineers

ASME, American Society of Mechanical Engineers

ASTM, American Society for Testing Materials

ASTs, aboveground storage tanks

ATC, Authority to Construct

ATCM, Airborne Toxic Control Measures

ATM, asynchronous transfer mode

AWS, American Welding Society

BACT, Best Available Control Technology

BEA, Bureau of Economic Analysis

bgs, below ground surface

BLM, Bureau of Land Management

BMP, Best Management Practices

BOP, balance-of-plant

BP, before present

Btu, British thermal unit

CAA, (Federal) Clean Air Act

CAAA, (Federal) Clean Air Act Amendment

CAAQS, California ambient air quality standards

CAD, Computer-aided Design

CalARP, California Accidental Release Prevention (Program)

Cal-EPA, California Environmental Protection Agency

CalOSHA, California Occupational Safety and Health Administration

Caltrans, California Department of Transportation

CAPCOA, California Air Pollution Control Officers Association

CARB, California Air Resources Board

CAS, California Academy of Sciences

CBC, California Building Code

CBO, Chief Building Official

CCR, California Code of Regulations

CDFG, California Department of Fish and Game

CDMG, California Division of Mines and Geology

CEC, California Energy Commission

CEMS, Continuous Emissions Monitoring System

CEQA, California Environmental Quality Act

CERCLA, Comprehensive Environmental Response, Compensation, and Liability Act (“Superfund”)

CFM, cubic feet per minute

CFR, Code of Federal Regulations

CFS, cubic feet per second

CHP, California Highway Patrol

CHRIS, California Historical Resources Information System

CHSC, California Health and Safety Code

CLME, California Licensed Mechanical Engineer

CNDDB, California Natural Diversity Data Base

CNEL, Community Noise Equivalent Level

CNPS, California Native Plant Society

CO, Carbon Monoxide

CO_2, carbon dioxide

COC, Conditions of Certification

COF, City of Fresno

COE, (Army) Corps of Engineers (also USACOE or USACE)

CPM, Compliance Project Manager

CPM, Construction Project Manager

CPUC, California Public Utility Commission

CRHR, California Register of Historic Resources

CRT, cathode ray tube

CSO, construction safety orders

CT, combustion turbine

CTG, combustion turbine generator

CUP, Conditional Use Permit

CUPA, Certified Unified Program Agency

CVP, Central Valley Project

CWA, Clean Water Act

CWRCB, California Water Resources Control Board

dBA, decibels 'A' scale

dB, decibels

DC, direct current

DCS, distributed control system

DEM, digital elevation model

DFG, California Department of Fish and Game

DLN, dry low NO_x

DOC, Determination of Compliance

DOGGR, California Division of Oil, Gas, and Geothermal Resources

DOSH, Division of Occupational Safety and Health

DOT, U.S. Department of Transportation

DTSC, Department of Toxic Substances Control

DWR, Department of Water Resources

EAF, equivalent availability factor

EDD, Employment Development Department

Edison, Southern California Edison Company

EHD, Environmental Health Department

EIR, Environmental Impact Report

EIS, Environmental Impact Study

EMF, electric and magnetic fields

EMS, emergency medical service

EPC, Engineering, Procurement, and Construction

EPR, ethylene propylene rubber

EPRI, Electric Power Research Institute

ERC, emissions reduction credit

ERP, Emergency Response Plan

ESA, Environmental Site Assessment

ESIL, existing scenic integrity level

ESO, Electrical Safety Orders

ºF, degrees Fahrenheit

FAA, Federal Aviation Administration

FDOC, Final Determination of Compliance

FCWIB, Fresno County Work Investment Board

FEMA, Federal Emergency Management Agency

FERC, Federal Energy Regulatory Committee

FLM, Federal Land Manager

FLMPA, Federal Land Management and Policy Act

FOF, Forced Outage Factor

FC, Fresno County

FCFD, Fresno County Fire Protection Division

FTE, full-time equivalent

FWS, United States Fish and Wildlife Service

GE, General Electric

GEP, good engineering practice

GIS, geographical information system

GISO, General Industry Safety Orders

gpd, gallons per day

gpm, gallons per minute

GPS, global positioning system

GSUs, generator step-up unit transformers

GO, General Order

HARP, Hotspots Analysis and Reporting Program

HAZCOM, hazards communication

H&SC, Health and Safety Code

HHV, MMBtu/hr

HMBP, Hazardous Materials Business Plan

HP, horsepower

HRA, Health Risk Assessment

HRSG, heat recovery steam generator

HVAC, heating, ventilating and air conditioning (system)

Hz, hertz

I/O, input/output

IAN, Integrated Assessment of Need

ICBO, International Conference of Building Officials

ICEA, Insulated Cable Engineers Association

IDLH, immediately dangerous to life and health

IIPP, Injury and Illness Prevention Program

CAISO, Independent System Operator

JHA, Job Hazard Assessment

JRP, JRP Historical Consulting Services

JSA, Job Safety Analysis

kcmil, thousand circular mil (wire size)

km, kilometer

KOP, Key Observation Point

KPRA, Kingpin-to-rear-axle length

kV, kilovolts (unit of electrical potential)

kV/m, kilovolts per meter

kWh, kilowatt hour

lb/hr, pounds per hour

lb/MMcf, pounds per million cubic feet

lb/MMBtu, pounds per million British thermal unit

LBP, lead based paint

LCD, liquid crystal display

L_{eq}, equivalent sound level

L_{max}, maximum sound level

L_{min}, minimum sound level

LHV, lower heating value

LOC, levels of concern

LORS, laws, ordinances, regulations, and standards

LOS, level of service

LP, low pressure

M, magnitude

mG, milligauss (unit of magnetic field strength)

MBtu, mega British thermal unit

MCC, motor control center

MCE, maximum credible earthquake

MEI, maximally exposed individual

mG, milligauss (unit of magnetic field strength)

mg/L, milligrams per liter

MGD, million gallons/per day

MICR, maximum individual cancer risk

ML, measurement location

MMBtu, Million BTUs

MPP, Magnolia Power Project

MRZ, Mineral Resource Zone

MSDS, Material Safety Data Sheet

msl, mean sea level

MTA, Los Angeles Metropolitan Transit Authority

MVA, megavolt amps

MW, Megawatt

MWH, megawatt-hour

NAAQS, national ambient air quality standards

NAHC, Native American Heritage Commission

NALMA, North American Land Mammal Ages

NAS, National Academy of Sciences

NCDC, National Climatic Data Center

NCI, National Cancer Institute

NDE, nondestructive examination

NEC, National Electric Code

NEHRP, National Earthquake Hazard Reduction Program

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

NH_3, unreacted ammonia

NHPA, National Historic Preservation Act

NIEHS, National Institute of Environmental health Science

NIOSH, National Institute of Occupational Safety and Health

NO, nitrogen oxide

NO_2, nitrogen dioxide

NO_x, Nitrogen Oxides

NOI, Notice of Intention

NPDES, National Pollutant Discharge Elimination System

NPR, National Petroleum Reserve

NPS, National Park Service

NR, not reported

NRC, National Research Council

NRCS, National Resources Conservation Service (formerly Soil Conservation Service, SCS)

NRHP, National Register of Historic Places

NSA, noise sensitive area

NSPS, New Source Performance Standards

NSR, New Source Review

NTP, Notice to Proceed

O_3, Ozone

OCA, Offsite Consequences Analysis

OEHHA, Office of Environmental Health Hazard Assessment

OES, Office of Emergency Services

OHP, Office of Historic Preservation

OSHA, Occupational Safety and Health Administration

P.O.W.T., Reclaim Water plant

PAH, polycyclic aromatic hydrocarbons

PEC, Panoche Energy Center

pb, lead

PCF, Paid Call Firefighter

pf, power factor

PG&E, Pacific Gas and Electric Company

PLC, programmable logic control

PM, particulate matter

$PM_{2.5}$, particulates less than 2.5 microns

PM_{10}, particulates less than 10 microns

PPE, personal protective equipment

ppm, parts per million

ppmvd, parts per million, volumetric dry

PPSR, Power Plant Siting Regulations

PRC, Public Resources Code

PSD, Prevention of Significant Deterioration

PSD, Public Service Department

psi, pounds per square inch

psia, pounds per square inch

psig, per square inch gauge

PTC, Permit to Construct

PVC, polyvinyl chloride

PWLs, power levels

RBM, Regulated Building Materials

RCRA, Resource Conservation and Recovery Act

Regulation XX, RECLAIM

REL, reference exposure level

RfD, reference dose

RFO, Request for Offers

RH, relative humidity

RMP, Risk Management Plan

RMPP, Risk Management and Prevention Program

RO, Reverse osmosis

ROW, right-of-way

ROWD, Report of Waste Discharge

rpm, revolutions per minute

RTCs, RECLAIM trading credits

RTP, Regional Transportation Plan

RWQCB, Regional Water Quality Control Board

SARA, Superfund Amendments and Reauthorization Act

SB, Senate Bill

SCADA, Supervisory Control and Data Acquisition

scf, standard cubic feet

SCR, Selective Catalytic Reduction

SCS, Soil Conservation Service

SF_6, sulfur hexafluoride

SHPO, State Historic Preservation Office

SIL, Significant Impact Levels

SIP, State Implementation Plan

SIS, System Impact Study

SJVAPCD, San Joaquin Valley Unified Air Pollution Control District

SLM, sound level meter

SO_2, sulfur dioxide

SO_3, sulfite

SO_x, oxides of sulfur

SoCalGas, Southern California Gas Company

SOE, sequence of events

SPCC, Spill Prevention, Control, and Countermeasures

SPLs, sound power levels

SS, stainless steel

SSJVIC, Southern San Joaquin Valley Information Center

ST, steam turbine

STG, steam turbine generator

STPEL, short-term public emergency limit

SUS, secondary unit substation

SUSMP, Standard Urban Storm Water Mitigation Plan

SVP, Society for Vertebrate Paleontology

SW, Siemens-Westinghouse

SWPPP, Storm Water Pollution Prevention Plan

SWRCB, State Water Resources Control Board

T&D, transmission and distribution

T-BACT, Toxic Best Available Control Technology

TAC, toxic air containment

TBD, to be determined

TDS, total dissolved solids

TEFC, totally enclosed fan cooler

TEWAC, totally enclosed water/air-cooled

TEWAC, totally enclosed water-air cooler

THI, total hazard impact

TIN, triangulated irregular network

TLV, threshold limit values

TPQ, threshold planning quantities

TPQ, threshold planning quantity

tpy, tons per year

TRI, Toxic Release Inventory

TSDF, treatment, storage, or disposal facility

TSP, total suspended particulate

UBC, Uniform Building Code

UCMP, University of California Museum of Paleontology

UEG, utility electric generation

UFC, Uniform Fire Code

UIC, Underground Injection Control

UMC, Uniform Mechanical Code

UPC, Uniform Plumbing Code

UPS, uninterruptible power supply

USACE, U.S. Army Corps of Engineers

USACOE (Army) Corps of Engineers (also COE)

USC, United States Code

USDA, United States Department of Agriculture

USDI, United States Department of the Interior

DOT, United States Department of Transportation

USDW, underground source of drinking water

USEPA, U.S. Environmental Protection Agency (also EPA)

USFS, United States Forest Service

USFWS, United States Fish and Wildlife Service

USGS, United States Geological Survey

UTM, universal transverse mercator

V, volt

V/m, volts per meter

VAC, volts AC (alternating current)

VCAPCD, Ventura County Air Pollution Control District

VDC, volts DC (direct current)

VRM, visual resource management

VSOI, Visual Sphere of Influence

VOC, volatile organic compounds

Williamson Act, California Land Conservation Act

WAA, Warren-Alquist Act

WDR, Waste Discharge Requirement

WECC, Western Electricity Coordinating Council

WIA, Workforce Investment Act

WSS, Web Soil Survey

WWECP, Wet Weather Erosion Control Plan

WWI, World War One

WWII, World War Two

OCA, Offsite Consequences Analysis

OES, Office of Emergency Services

NIOSH, National Institute of Occupational Safety and Health

AHM, Acutely Hazardous Materials

HMBP, Hazardous Materials Business Plan

CalARP, California Accidental Release Program

PSM, Process Safety Management

RMP, Risk Management Plan

UFC, Uniform Fire Code

STAA, Surface Transportation Assistance Act

HCM, Highway Capacity Manual

v/c, Volume to capacity ratio

PCE, passenger car equivalent

PHMSA, Pipeline and Hazardous Materials Safety Administration

DMV, Department of Motor Vehicles

COG, Council of Governments

REC, Recognized Environmental Conditions

FCDCH, Fresno Department of Community Health

LEA, Local Enforcement Agency