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Acronyms and Abbreviations

| | |
|-------------------|---|
| :g/m ³ | micrograms per cubic meter |
| AA | administering agency |
| AADT | annual average daily traffic |
| AAQS | ambient air quality standards |
| AC | alternating current |
| ACGIH | American Conference of Government Industrial Hygienists |
| ACHP | Advisory Council on Historic Preservation |
| ACOE | U.S. Army Corps of Engineers (see USACE) |
| AFBC | atmospheric fluidized bed combustion |
| AFC | Application for Certification |
| AFY | acre-feet per year |
| AHM | acutely hazardous material |
| AHPA | Archaeological and Historic Preservation Act |
| AM | archaeological monitor |
| ANSI/ ASME | American National Standards Institute/ American Society of Mechanical Engineers |
| APCD | air pollution control district |
| API | American Petroleum Institute |
| AQMD | air quality management district |
| ARB | California Air Resources Board |
| ARM | Ambient Ratio Method |
| ARP | Accidental Release Program |
| asl | above mean sea level |
| AST | aboveground storage tank |
| ATCMs | air toxics control measures |
| AVO | average vehicle occupancy |
| BACT | Best Available Control Technology |

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|----------|---|
| BMPs | best management practices |
| BPIP | Building Profile Input Program |
| BRMIMP | Biological Resources Mitigation Implementation and Monitoring Plan |
| CAA | U.S. Clean Air Act |
| CAAQS | California Ambient Air Quality Standards |
| Cal/EPA | California Environmental Protection Agency |
| CalARP | California Accidental Release Prevention Program |
| Cal-OSHA | California Occupational Safety and Health Administration |
| Caltrans | California Department of Transportation |
| CAM | Compliance Assurance Monitoring |
| CAS | Chemical Abstract Service |
| CCR | California Code of Regulations |
| CCTRR | Central California Traction Railroad |
| CDC | California Department of Conservation |
| CDFG | California Department of Fish and Game |
| CDOF | California Department of Finance |
| CEC | California Energy Commission |
| CEDD | California Employment Development Department |
| CEM | continuous emissions monitoring |
| CEQA | California Environmental Quality Act |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liabilities Act |
| CFR | Code of Federal Regulations |
| cfs | cubic feet per second |
| CHP | California Highway Patrol |
| CHRIS | California Historical Resource Information System |
| CIWMA | California Integrated Waste Management Act |
| CNDDDB | California Natural Diversity Data Base |
| CO | carbon monoxide |
| CPM | Compliance Project Manager |

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| CPP | Cosumnes Power Plant |
| CPUC | California Public Utilities Commission |
| CRHR | California Register of Historical Resources |
| CSC | California Species of Special Concern |
| CTG | combustion turbine generator |
| CUP | conditional use permit |
| CUPA | Certified Unified Program Agency |
| CVP | Central Valley Project |
| CVRWQCB | Central Valley Regional Water Quality Control Board |
| CWA | Clean Water Act |
| dB | decibel |
| dBA | decibel, A-scale |
| DC | direct current |
| DCS | distributed control system |
| DEM | digital elevation model |
| DHS | California Department of Health Services |
| DNL | day-night noise level (also Ldn) |
| DOT | U.S. Department of Transportation |
| DPR | California Department of Parks and Recreation |
| DPRO | double-pass reverse osmosis |
| DTSC | California Department of Toxic Substances Control |
| EAF | equivalent availability factor |
| EHS | extremely hazardous substance |
| EMD | California Environmental Management Department |
| EMF | electromagnetic field |
| EPA | U.S. Environmental Protection Agency |
| EPCRA | Emergency Planning and Community Right-to-Know Act |
| ERC | emission reduction credits |
| ERPG | Emergency Response Planning Guidelines |

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| 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 | environmentally sensitive area |
| F | Fahrenheit |
| FAA | Federal Aviation Administration |
| FDA | U.S. Food and Drug Administration |
| FEMA | Federal Emergency Management Agency |
| FESA | Federal Endangered Species Act |
| FIRM | Flood Insurance Rate Maps |
| FLAG | Federal Land Managers' Air Quality Related Values Workgroup |
| FLMs | Federal Land Managers |
| FMMP | Farmland Mapping and Monitoring Program |
| FR | Federal Register |
| g | gravity |
| GEP | good engineering practice |
| GGS | giant garter snake |
| Gj/hr | gigajoules per hour |
| GLO | Government Land Office |
| GO | general order |
| gpm | gallons per minute |
| GSU | generator step-up unit |
| Gwh | gigawatt hours |
| H&SC | Health & Safety Code |
| HCP | Habitat Conservation Plan |
| HDD | horizontal directional drilling |

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| Hg _a | mercury (atmospheric) |
| HHV | high heating value |
| HI _s | hazard indices |
| HMBP | Hazardous Materials Business Plan |
| HMMP | Hazardous Materials Management Plan |
| HMRT | Hazardous Materials Response Team |
| hp | horsepower |
| HP | high pressure |
| HPA | high probability areas |
| HRSG | heat recovery steam generator |
| HSP | Health and Safety Plan |
| HTW | high-temperature water |
| HWCL | Hazardous Waste Control Law (California) |
| Hz | hertz |
| I/O | input/output |
| IDLH | immediately dangerous to life and health |
| IEC | International Electrotechnical Commission |
| IEEE | Institute of Electrical and Electronics Engineers |
| IGCC | integrated gasification combined-cycle |
| IP | intermediate pressure |
| ISO | California Independent System Operator |
| IWAQM | Interagency Workgroup on Air Quality Modeling |
| kA | kiloampere |
| KOP | key observation point |
| kV | kilovolt |
| kV/m | kilovolts per meter |
| LC | load centers |
| LD ₅₀ | dose lethal to 50 percent of those tested |
| LDLO | lowest published lethal dose |

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| Ldn | day-night noise level (also DNL) |
| L _{eq} | equivalent noise level |
| L _n | percentile noise level |
| LO/TO | lock-out/tag-out |
| LORS | laws, ordinances, regulations, and standards |
| LOS | levels-of-service (traffic) |
| LP | low pressure |
| m/A | milliamperes |
| MACT | maximum achievable control technology |
| MCC | motor control centers |
| MCE | maximum credible earthquake |
| MEI | maximally exposed individual |
| mG | milliGauss |
| mg/kg | milligrams per kilogram |
| mg/L | milligrams per liter |
| mg/m ³ | milligrams per cubic meter |
| MICR | maximum individual cancer risk |
| MLD | most likely descendent |
| MMBtu | million British thermal units |
| MOA | Memorandum of Agreement |
| MP | mile post |
| MRF | Materials Recovery Facility |
| MSDS | material safety data sheet |
| msl | mean sea level |
| MSW | municipal solid waste |
| mvm | million vehicle miles |
| MW | megawatts |
| NAAQS | national ambient air quality standards |
| NAGPRA | Native American Graves Protection and Repatriation Act |

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|-----------------|---|
| NAHC | Native American Heritage Commission |
| NALMA | North American Land Mammal Age |
| NaOH | sodium hydroxide |
| NEPA | National Environmental Policy Act |
| NESC | National Electric Safety Code |
| NESHAP | National Emission Standards for Hazardous Air Pollutants |
| NFPA | National Fire Protection Agency |
| NH ₃ | ammonia |
| NHPA | National Historic Preservation Act |
| NIOSH | National Institute of Occupational Health and Safety |
| NMFS | National Marine Fisheries Service |
| NO | nitric oxide |
| NO ₂ | nitrogen dioxide |
| NOI | Notice of Intent |
| NO _x | oxides of nitrogen |
| NPDES | National Pollution Discharge Elimination System |
| NPS | National Park Service |
| NRC | Nuclear Regulatory Commission |
| NRCS | Natural Resources Conservation Service |
| NRHP | National Register of Historic Places |
| NSPS | Standards of Performance for New Stationary Sources |
| NSR | New Source Review |
| O ₂ | oxygen |
| O ₃ | Ozone |
| OEHHA | California Office of Environmental Health Hazard Assessment |
| OSHA | U.S. Occupational Safety and Health Administration |
| PA | project archaeologist |
| PAHs | polycyclic aromatic hydrocarbons |
| PCB | polychlorinated biphenyl |

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| PEL | OSHA permissible exposure limit for 8-hour workday |
| PFBC | pressurized fluidized bed combustion |
| PM _{2.5} | particulate matter, effective diameter less than 2.5 microns |
| PM ₁₀ | particulate matter, effective diameter less than 10 microns |
| PPE | Personal Protective Equipment |
| ppm | parts per million |
| ppmvd | parts per million by volume dry |
| PRC | Public Resource Code |
| PRC | PaleoResource Consultants |
| PSD | prevention of significant deterioration |
| psig | pounds per square inch gauge |
| PSM | Process Safety Management Plan |
| RCRA | Resource Conservation and Recovery Act |
| RDF | refuse-derived fuel |
| RELs | reference exposure levels |
| RH | relative humidity |
| RMP | Risk Management Plan |
| RMPP | Risk Management Prevention Program |
| RO | reverse osmosis |
| ROCs | reactive organic compounds |
| ROG | reactive organic gases |
| ROW | right-of-way |
| RQ | reportable quantity |
| RWQCB | Regional Water Quality Control Board |
| SAA | Streambed Alteration Agreement |
| SARA | Superfund Amendments and Reauthorization Act |
| SC | Species of Special Concern |
| SCC | Sacramento County Code |
| SCR | selective catalytic reduction |

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|-----------------|---|
| SCWA | Sacramento County Water Agency |
| SERC | State Emergency Response Commission |
| SF ₆ | sodium hexafluoride |
| SHPO | State Historic Preservation Officer |
| SHRA | screening health risk assessment |
| SIGT | steam-injected gas turbine |
| SIP | State Implementation Plan |
| SJVUAPCD | San Joaquin Valley Unified Air Pollution Control District |
| SMAQMD | Sacramento Metropolitan Air Quality Management District |
| SMUD | Sacramento Municipal Utility District |
| SO ₂ | sulfur dioxide |
| SOPs | Standard Operating Procedures |
| SO _x | oxides of sulfur |
| SPCC | spill prevention, control, and countermeasures |
| SRWTP | Sacramento Regional Wastewater Treatment Plant |
| STEL | short-term exposure limit, 5-minute exposure |
| STG | steam turbine generator |
| SVP | Society of Vertebrate Paleontology |
| SWP | State Water Project |
| SWPC | storm water pollution control |
| SWPPP | storm water pollution prevention plan |
| TACs | toxic air contaminants |
| T-BACT | best available control technology for toxics |
| TCLO | lowest published toxic concentration |
| TDS | Total dissolved solids |
| TLV | ACGIH threshold limit value for 8-hour workday |
| TPQ | threshold planning qualities |
| tpy | tons per year |
| TQ | threshold quality |

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| TSD | treatment, storage, or disposal |
| TSP | total suspended particulate |
| TWA | NIOSH time-weighted average for 8-hour workday |
| UBC | Uniform Building Code |
| UCMP | University of California Museum of Paleontology |
| UPRR | Union Pacific Railroad |
| UPS | uninterruptible power supply |
| USACE | U.S. Army Corps of Engineers |
| USB | Urban Service Boundary |
| USBR | U.S. Bureau of Reclamation |
| USDA | U.S. Department of Agriculture |
| USEPA | U.S. Environmental Protection Agency |
| USFS | U.S. Forest Service |
| USFWS | U.S. Fish and Wildlife Service |
| UXO | unexploded ordinance |
| VOCs | volatile organic compounds |
| VSD | virtually safe dose |
| WDR | Waste Discharge Requirements |
| WTE | waste-to-energy |