

## **CHAPTER 9**

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### **ACRONYMS**

Acronyms



## 9.0 ACRONYMS

ABBREVIATION	DESCRIPTION
AB	Assembly Bill
AB32	California's Global Warming Solutions Act of 2006
AB939	California Integrated Waste Management Act of 1989
AB1807	California Toxic Air Contaminants Program (Tanner Bill)
AB2728	Revised Tanner Bill
AB2588	Air Toxic "Hot Spots" Information and Assessment Act
AB2595	California Clean Air Act
ACE2588	Assessment of Chemical Exposure for AB2588
af	acre-feet
AFV	Alternative Fuel Vehicles
AIChE	American Institute of Chemical Engineers
AMP	Alternative Marine Power
API	American Petroleum Institute
AQMD	Air Quality Management District
AQMP	Air Quality Management Plan
ARB	Air Resources Board
ASTM	American Society for Testing and Materials
ATCM	Airborne Toxic Control Measure
ATCP	Air Toxics Control Plan
ATPZEVs	Advanced Technology Partial Zero-Emission Vehicles
ATT	Advanced Transportation Technology
AVO	Average Vehicle Occupancy
AVR	Average Vehicle Ridership
AWT	Advanced Water Treatment
BACT	Best Available Control Technology
BACM	Best Available Control Measures
BAR	Bureau of Automotive Repair
BARCT	Best Available Retrofit Control Technology
Basin	South Coast Air Basin
BCM	Best Available Control Measures for Fugitive Dust Sources
BLDS	Bag Leak Detection System
BMP	Best Management Practices
BOD	Bio-chemical Oxygen Demand
BPTCP	Bay Protection and Toxic Clean Up Plan
Btu	British Thermal Units
Btu/hr	British Thermal Units per hour
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CAAP	Clean Air Action Plan
CAMx	Comprehensive Air Quality Model with Extensions
CCAA	California Clean Air Act
CAFE	Corporate Average Fuel Economy

CalARP	California Accidental Release Prevention Program
Caltrans	California Department of Transportation
CalOSHA	California Occupational Safety and Health Administration
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CE-CERT	College of Engineering Center for Environmental Research and Technology
CEQA	California Environmental Quality Act
CFCs	Chlorofluorocarbons
CFR	Code of Federal Regulations
CH <sub>4</sub>	Methane
CHMIRs	California Hazardous Materials Incident Reporting System
CHP	California Highway Patrol
CIWMB	California Integrated Waste Management Board
CM	Control Measure
CMB	Combustion Sources
CNG	Compressed Natural Gas
CNS	Central nervous system
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
COD	Chemical Oxygen Demand
COHb	Carboxyhemoglobin
COMS	Continuous Opacity Monitor System
CONS	Consumer Products
CPUC	California Public Utilities Commission
CRA	Colorado River Aqueduct
CTS	Coatings and Solvents
CUP	Conditional Use Permit
CVWD	Coachella Valley Water District
CWA	Clean Water Act
CWAP	Clean Water Action Plan
CWMI	Chemical Waste Management Inc.
C4	Butane
DHS	Department of Health Services
DMV	Department of Motor Vehicles
DOC	Diesel Oxidation Catalyst
DOT	Department of Transportation
DPR	Department of Pesticide Regulation
DTSC	California Environmental Protection Agency, Department of Toxic Substances Control
DTIM	Direct Travel Impact Model
DWR	California Department of Water Resources
ECR	Emission Reduction Credit
EF	Emission Factor

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EGR	Exhaust Gas Recirculation
EIP	Economic Incentive Program
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EMD	Engine manufacturer diagnostics
EMFAC	Emission Factors Model
EPCRA	U.S. EPA's Emergency Planning and Community Right-to-Know
ERPG	Emergency Response Planning Guideline
ESP	Electrostatic Precipitators
EVs	Electric Vehicles
EVR	Enhanced Vapor Recovery
E85	Ethanol
°F	Degrees Fahrenheit
FCCU	Fluid Catalytic Cracking Unit
FEMA	Federal Emergency Management Agency
FFVs	Flexible Fuel Vehicles
FHWA	Federal Highway Administration
FIP	Federal Implementation Plan
FLX	Compliance Flexibility Programs
FSS	Future Study Strategy
FUG	Fugitive Emissions
FVR	Fuel Vapor Recovery
G	acceleration of gravity
GBUAPCD	Great Basin Unified Air Pollution Control District
GDF	Gasoline dispensing facilities
GHGs	Greenhouse Gases
GTL	Gas-to-liquid
gWh	gigawatt hours
GWRS	Groundwater Replenishment System
H <sub>2</sub>	Hydrogen
H <sub>2</sub> SO <sub>4</sub>	Sulfuric Acid
HALS	Hindered Amine Light Stabilizers
HAZOP	Hazards and Operation Process
HCFCs	Hydrochlorofluorocarbons
HCl	Hydrochloric Acid
HDV	Heavy Duty Vehicles
HEPA	High-Efficiency Particulate Air
HEV	Hybrid Electric Vehicles
HFCs	Haloalkanes
HGS	Harbor Generating Station
HHV	Higher Heating Value
HMBP	Hazardous Materials Business Plan
HNO <sub>3</sub>	Nitric Acid
HOV	High Occupancy Vehicle
HRA	Health Risk Assessment
HON	Hazardous Organic NESHAP

ICTA	International Center for Technology Assessment
IID	Imperial Irrigation District
IMO	International Maritime Organization
I/M	Inspection and Maintenance
ISCST3	Industrial Source Complex Model Short Term Version 3
ISD	In-station Diagnostic
ISO	Independent System Operator
ISTEA	International Surface Transportation Efficiency Act
ITS	Intelligent Transportation Systems
IWD	Irvine Water District
kW	Kilowatt
kWh	Kilowatt Hour
°K	degrees Kelvin
LAA	Los Angeles Aqueduct
LACDPW	Los Angeles County Department of Public Works
LACFD	Los Angeles County Fire Department
LACSD	Los Angeles County Sanitation Districts
LADPW	Los Angeles Department of Public Works
LADWP	Los Angeles Department of Water and Power
LAER	Lowest Achievable Emission Reduction
LA/G	Los Angeles – Glendale
lbs	pounds
lbs/day	pounds per day
lbs/galr	pounds per gallon
lbs/hr	pounds per hour
LDAR	Leak Detection and Repair
LEL	Lower Explosive Limit
LEV	Low Emission Vehicle
LESA	Land Evaluation and Site Assessment
LNG	Liquefied Natural Gas
LOS	Level of Service
LPG	Liquefied Petroleum Gas
LTM	Long Term Measures
LPV	Low Pressure Vehicle
LVP	Low Vapor Pressure
MACT	Maximum Achievable Control Technologies
M & I	Municipal and Industrial
MAF	Million acre-feet
MATES	Multiple Air Toxic Exposure Study
MBAS	Methylene Blue Active Substances
MDAB	Mojave Desert Air Basin
MECA	Manufacturer's of Emission Controls Association
Mgd	million gallons per day
mg solids/L	milligrams of solids per liter
MICR	Maximum Increased Cancer Risk
MIR	Maximum Incremental Reactivity

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Mmcf/d	Million Cubic Feet per Day
MSRC	Mobile Source Emissions Reduction Review Committee
MOU	Memorandum of Understanding
MPO	Metropolitan Planning Organization
m/s	meters per second
MRIV	Metropolitan Riverside County
MSC	Miscellaneous Sources
MSDS	Material Safety Data Sheet
MSERC	Mobile Source Emission Credit
MSW	Municipal Solid Waste
MTBE	methyl tertiary butyl ether
MTM	Mid-Term Control Measures
mw	megawatts
<del>MWD</del>	<del>Metropolitan Water District of Southern California</del>
MWDOC	Municipal Water District of Orange County
M85	Methanol
N <sub>2</sub>	nitrogen
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NASA	National Aeronautics and Space Administration
NEC	National Electric Code
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NPDES	National Pollutant Discharge Elimination System
NFPA	National Fire Protection Agency
NHPA	National Historic Preservation Act
NH <sub>3</sub>	Ammonia
NH <sub>4</sub> NO <sub>3</sub>	Ammonium Nitrate
NH <sub>4</sub> HSO <sub>4</sub>	Ammonium Bisulfate
(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Ammonium Sulfate
NIOSH	National Institute of Occupational Safety and Health
N <sub>2</sub> O	Nitrous Oxide
NO	Nitric Oxide
NO <sub>2</sub>	Nitrogen Dioxide
NOP/IS	Notice of Preparation/Initial Study
NOV	Notice of Violation
NO <sub>x</sub>	Nitrogen Oxide
NPDES	National Pollutant Discharge Elimination System
NS	No significant impacts
NSPS	New Source Performance Standards
NSR	New Source Review
NTS	National Technical Systems
O <sub>2</sub>	Oxygen
O <sub>3</sub>	Ozone
O&M	Operation and Maintenance
OBD	On-Board Diagnostics
OBD-III	Phase III On-board Diagnostics

OCA	Off-site Consequences Analyses
OCSD	Orange County Sanitation District
OCWD	Orange County Water District
OEHHA	Environmental Health Hazards Assessment
OEM	Original Equipment Manufacturer
OES	Office of Emergency Services
OSHA	Occupational Safety and Health Administration
PAHs	Polynuclear Aromatic Hydrocarbons
PCBF	Perchlorobenzotrifluoride
PCBTF	p-chlorobenzotrifluoride
PCE	passenger car equivalents
PEM	Proton Exchange Membrane
PFCs	Perfluorocarbons
pH	potential hydrogen ion concentration
PM	Particulate Matter
PM10	particulate matter less than 10 microns equivalent aerodynamic diameter
PM2.5	particulate matter less than 2.5 microns equivalent aerodynamic diameter
POTW	Publicly Owned Treatment Works
ppbv	parts per billion by volume
ppm	parts per million
ppmv	parts per million by volume
PSD	Prevention of Significant Deterioration
psi	pounds per square inch
psia	pounds per square inch absolute
psig	pounds per square inch (gauge)
PSM	Process Safety Management Program
PSU	Primers, Sealers, and Undercoatings
PSVs	Pressure Safety Valves
PTFE	Polytetrafluoroethylene
PV	Photovoltaic
PVs	Photovoltaic Cells
PVC	Polyvinyl Chloride
PVID	Palos Verdes Irrigation District
PWV	Pomona/Walnut Valley
PWSA	Ports and Waterways Safety Act
PZEV	Partial Zero Emission Vehicles
PX	Power Exchange
QSA	Quantified Settlement Agreement
RACT	Reasonable Available Control Technology
RCRA	Resource Conservation and Recovery Act
RDF	Refuse-derived Fuel
RECLAIM	Regional Clean Air Incentives Market
RMP	Risk Management Program
RMPP	Risk Management and Prevention Program
ROC	Reactive Organic Compound
ROG	Reactive Organic Gases



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RPS	Renewable Portfolio Standard
RRF	Relative Response Factors
RRWG	Reactivity Research Working Group
RTC	RECLAIM Trading Credits
RTIP	Regional Transportation Implementation Plan
RTP	Regional Transportation Plan
RWQCB	Regional Water Quality Control Board
SANDAG	San Diego Association of Governments
SAE	Society of Automotive Engineers
SARA	Superfund Amendments and Revitalization
SB	Senate Bill
SB 1731	Senate Bill SB 1731
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison Company
SCM	Suggested Control Measure
SCR	Selective Catalytic Reduction
SCS	Soil Conservation Service
SDCWA	San Diego County Water Authority
SEPs	Supplemental Energy Payments
SF <sub>6</sub>	Sulfur Hexafluoride
SIP	State Implementation Plan
SJVUAPCD	San Joaquin Valley Unified Air Pollution Control District
SO <sub>2</sub>	sulfur dioxide
SO <sub>3</sub>	Sulfur Trioxide
SO <sub>4</sub> <sup>=</sup>	Sulfate Ion
SOA	Secondary Organic Aerosol
SOCWA	South Orange County Wastewater Authority
SOFC	Solid Oxide Fuel Cell
SO <sub>x</sub>	sulfur oxide
SPCC	Spill Prevention, Control and Countermeasure
SSAB	Salton Sea Air Basin
SSS	Seasonal Storage Service
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SWP	State Water Project
SWMP	Storm Water Management Plan
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	Toxic Air Contaminant
TAO	Technology Advancement Office
TBA <sub>c</sub>	t-butyl acetate
TCM	Transportation Control Measure
TDM	Transportation Demand Management
TDS	Total Dissolved Solids

TEA	Transportation Equity Act
TMDL	Total Maximum Daily Loads
tpd	tons per day
TPH	Total Petroleum Hydrocarbons
tpy	tons per year
TSE	Truck Stop Electrification
TSP	Total Suspended Particulates
TSS	Total Suspended Solids
UAM	Urban Airshed Model
UFC	Uniform Fire Code
ULEV	Ultra Low Emission Vehicle
ULFT	Ultra Low Flush Toilet
UMR	University Missouri-Rolla
U.S.	United States
U.S. DOE	United States Department of Energy
U.S. DOT	United States Department of Transportation
U.S. EPA	United States Environmental Protection Agency
ug/l	micrograms per liter
ug/m <sup>3</sup>	micrograms per cubic meter
UV	Ultra Violet
UTM	Universal Transverse Mercator
UWA	Unified Watershed Assessment
V/C	Volume to Capacity Ratio
VDEC	Verified Diesel Emission Control
VGS	Valley Generating Station
VMT	Vehicle Miles Traveled
VOC	volatile organic compounds
WBMWD	West Basin Metropolitan Water District
WDR	Waste Discharge Requirements
WRAP	Western Regional Air Partnership
ZEV	Zero Emissions Vehicles