



DEPT. OF WATER, ENERGY, AND ENVIRONMENT

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Air Quality Acronyms and Abbreviations

The Nebraska Department of Water, Energy, and Environment (DWEE) and the Environmental Protection Agency (EPA) use the following acronyms. Many of these terms are defined in statute, regulation, or federal law. This list of acronyms and their meanings is intended to assist you in interpreting environmental-related literature.

2SC	2 Stroke Cycle
4SC	4 Stroke Cycle
µg/m³	Microgram per cubic meter
AAI	Aquatic Acidification Index
ABLERS	Adjusted Baseline Emission Rates
AFS	Air Facility Sources System
AG	Attorney General
AIRNOW	Computer model displays smog levels
AIRS	Aerometric Information Retrieval System
AP-42	EPA's Air Pollution Emission Factors
APCD	Air Pollution Control Device
API	American Paper Institute
AQCD	Air Quality Criteria Document
AQCR	Air Quality Control Region
AQD	Air Quality Division
AQRV	Air Quality Related Values
AQI	Air Quality Index
AQS	Air Quality Subsystem
ARM	Ambient Ratio Method
ARP	Acid Rain Program
ASTM	American Society for Testing and Materials
AST	Aboveground Storage Tank
ATS	Allowance Tracking System
AWMA	Air and Waste Management Association
B&F	Building and Facilities
BACM	Best Available Control Measures
BACT	Best Available Control Technology
BART	Best Available Refit Technology
bbf	Barrel
BGT	Bulk Gasoline Terminal
bhp	Brake Horsepower
BLERS	Baseline Emission Rates
BLOX	Black Liquor Oxidation
BMS	Brownfields Management System

BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
BTU	British Thermal Unit
CA	Compliance Assistance
CAA	Clean Air Act
CAAA	Clean Air Act Amendment
CARB	California Air Resources Board
CAM	Compliance Assurance Monitoring
CAS	Chemical Abstracts Service
CASTNet	Clean Air Status Air Network
CAV	Compliance Assistance Visit
CBSA	Core-based Statistical Area
CCR	Consumer Confidence Report
CD	Calibration Drift
CEIS	Center for Environmental Information and Statistics
CEM(S)	Continuous Emission Monitor (System)
CENRAP	Central Regional Air Planning Association
CenSARA	Central States Air Resource Agencies
CEPPO	Chemical Emergency Preparedness and Prevention Office
cf	Cubic feet
CFA	Composite Fabricators Association
CFC	Chlorofluorocarbon
CFR	Code of Federal Regulations
CGA	Cylinder Gas Audit
CH₄	Methane
ChemFS	Chemical Fume Suppressants
CI	Compression Ignition
CISWI	Commercial/Industrial Solid Waste Incinerator
CMAQ	Community Multi-scale Air Quality Model
CMP	Composite Mesh Pad system
CMS	Compliance Monitoring Strategy
CMS	Continuous Monitoring System
CO	Carbon Monoxide
CO₂	Carbon Dioxide
CO₂e	Carbon Dioxide Equivalents
COC	Certification of Compliance
COMS	Continuous Opacity Monitoring System
CP	Construction Permit
CPDS	Certified Production Data Sheet
CPI	Consumer Price Index
CPMS	Continuous Parameter Monitoring System
CSAPR	Cross-State Air Pollution Rule
CSO	Combined Sewer Overflows
CTAG	Certification and Training Assessment Group
CTG	Control Technique Guideline CAA Sect. 183
DCHD	Douglas County Health Department
DDT	Dichlorodiphenyltrichloroethane
DWEE	Department of Water, Energy, and Environment
DERA	Diesel Emission Reduction Act
D/F	Dioxin/Furan
DL	Detection Limit
DOE	Department of Energy
DSCF	Dry Standard Cubic Feet
DSMOA	Department of Defense and State Memorandum of Agreement
DV	Design Value

EAC	Emergency Action Center
EAS	Emergency Action System
ECOS	Environmental Council of States
ECS	Emission Control System
EDC	Endocrine-Disrupting Chemical
EDSC	Environmental Data Standards Council
EEOC	Equal Employment Opportunity Commission
EGU	Electric Steam-Generating Unit
EI	Emissions Inventory
EIA	Environmental Impact Assessment
EIA	Energy Information Agency
EIS	Environmental Impact Statement
EMAP	Environmental Monitoring and Assessment Program
EMC	Emissions Measurement Center
EMIS	Environmental Management Information System
IMPACT	Environmental Monitoring for Public Access and Community Tracking
EMS	Environmental Management System
E.O.	Executive Order
EOSTAC	Endocrine Disruptor Screening and Testing Advisory Committee
EP	Emission Point
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
EPM	Environmental Programs and Management
EQC	Environmental Quality Council
ERT	EPA's Electronic Reporting Tool
ESP	Environmental Stewardship Program
ESP	Electrostatic Precipitator
ETOH	Ethanol
ETV	Environmental Technology Verification
EU	Emission Unit
F-BME	Fiber-Bed Mist Eliminators
FC	Fluoro Carbon
FDA	Food and Drug Association
FECA	Federal Employees Compensation Act
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FESOP	Federally Enforceable State Operating Permit
FGR	Flue Gas Recirculation
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FMFIA	Federal Managers Financial Integrity Act
FIP	Federal Implementation Plan
FOIA	Freedom of Information Act
FONSI	Finding of No Significant Impact
FPMN	Fine Particle Monitoring Network
FR	Federal Register
FRD	Freeboard Refrigeration Device
FREDS	Findings and Regional Elements Data System
FRS	Facility Registry Systems
FS	Fume Suppressant
FTE	Full Time Equivalents
FTIR	Fourier Transform Infrared
FY	Fiscal Year
GACT	Generally Available Control Technology
GAO	General Accounting Office
GAP	General Assistance Program

GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
GCRP	Global Change Research Program
GCVTC	Grand Canyon Visibility Transport Commission
GEP	Good Engineering Practice
GHGs	Greenhouse Gases
GIS	Geographic Informational System
GPO	Government Printing Office
GPRA	Government Performance and Results Act
GSA	General Services Administration
GWP	Global Warming Potential
GWR	Ground Water Rule
H₂S	Hydrogen Sulfide
HAP	Hazardous Air Pollutant
HC	Hydrocarbon
HCFC	Hydrochlorofluorocarbons
HEPA	High Efficiency Particulate Air
HF	Hydrofluoric Acid
HFC	Hydrofluorocarbon
Hg	Mercury
HHSS	Health and Human Services System
HON	Hazardous Organic NESHAP
HP	Horsepower
HPV	High Priority Violation
HUD	Department of Housing and Urban Development
HVAC	Heating, Ventilation, and Air Conditioning
HVLC	High Volume Low Concentration
HVLP	High Volume Low Pressure
I-3	Information Integration Initiative
I/M	Inspection and Maintenance
IAG	Inter-Agency Agreement
ICAP	Inductively Coupled Atomic Plasma
ICCR	Industrial Combustion Coordinated Rulemaking
ICIS	Integrated Compliance Information System
ICR	Information Collection Result
IDEA	Integrated Data for Enforcement Analysis
IECP	Integrated Error Correction Process
IGCE	Independent Government Cost Estimates
IIS	Information and Integration System
IMPROVE	Interagency Monitoring of Protected Visual Environments
IPCT	Industrial Processing Cooling Tower
IPPs	Independent Power Producers
IRIS	Integrated Risk Information System
IRM	Information Resources Management
ISC	Industrial Source Complex
ISCLT	Industrial Source Complex Long-Term Model
ISCST	Industrial Source Complex Short-Term Model
ISEC	Integrated Science for Ecosystem Challenges
IT	Information Technology
IWI	Index of Watershed Indicators
kW	Kilowatt
Labs21	Laboratories for the 21st Century
LAER	Lowest Achievable Emission Rate

LDAR	Leak Detection and Repair
LDC	Local Distribution Company
LGCCS	Landfill Gas Collection and Control System
LLCHD	Lincoln-Lancaster County Health Department
LNB	Low NOx Burner
LOW	Letter of Warning
LPG	Liquid Petroleum Gas
LUST	Leaking Underground Storage Tank
MACT	Maximum Achievable Control Technology
MANE-VU	Mid Atlantic/Northeast Visibility Union
ME	Monitoring Equipment
METP	Multistate Emissions Trading Program
Mgal	One thousand gallons
MMgal	One million gallons
MIMS	Multimedia Integrated Modeling System
MMBtu	Million British Thermal Units
MMBtu/Hr	Million British Thermal Units per Hour
MMcf	One million cubic feet
MMPP	Miscellaneous Metal Parts and Products
MMTCE	Metric Tons of Carbon Equivalent
MOBILE	Mobile Source Emissions Factor Model
MOR	Management Oversight Review
MPG	Miles Per Gallon
MSDS	Material Safety Data Sheet
MSW	Municipal Solid Waste
MSWG	Multi-State Working Group
MTBE	Methyl Tertiary Butyl Ether
MW	Megawatt
MWe	Megawatts Electricity
MYP	Multiyear Plan
NAAQS	National Ambient Air Quality Standards
NAC	National Advisory Committee
NACAA	National Association of Clean Air Agencies
NADP	National Atmospheric Deposition Program
NAFTA	North American Free Trade Agreement
NAPAP	National Acid Precipitation Assessment Program
NARAP	North American Regional Action Plan
NAS	National Academy of Science
NATA	National Air Toxics Assessment
NCASI	National Council of the Paper Industry for Air and Stream Improvement
NCG	Non-Condensable Gases
NDWEE	Nebraska Department of Water, Energy, and Environment
NEI	National Emissions Inventory
NEJAC	National Environmental Justice Advisory Group
NEP	National Estuary Program
NEPA	National Environmental Policy Act
NEPA	Nebraska Environmental Policy Act
NEPPS	National Environmental Performance Partnership System
NESHAPs	National Emission Standards for Hazardous Air Pollutants
NETI	National Enforcement Training Institute
NGL	Natural Gas Liquids
NH₃	Ammonia
NHANES	National Health and Nutrition Evaluation Survey
NMHC	Non Methane Hydrocarbons
NMOC	Non Methane Organic Compounds

N₂O	Nitrous Oxide
NO₂	Nitrogen Dioxide
NOAA	National Oceanic and Atmospheric Administration
NOx	Nitrogen Oxides
NOV	Notice of Violation
NPDES	National Pollution Discharge Elimination System
NPL	National Priorities List
NPRD	National Pesticide Residue Database
NPS	Nonpoint Source
NRD	Natural Resource District
NRDC	Natural Resources Defense Council
NRVOC	Negligibly Reactive Volatile Organic Compounds
NSATA	National-Scale Air Toxics Assessment
NSCR	Non-Selective Catalytic Reduction
NSPS	New Source Performance Standard
NSR	New Source Review
NTI	National Toxics Inventory
NTIS	National Technical Information System
O₃	Ozone
OAQC	Omaha Air Quality Control
OAQPS	EPA's Office of Air Quality Planning and Standards
OAR	EPA's Office of Air and Radiation
OCFO	Office of the Chief Financial Officer
ODS	Ozone-Depleting Substance
OECA	EPA's Office of Enforcement and Compliance Assurance
OECD	Organization for Economic Cooperation and Development
OEI	Office of Environmental Information
OEM	Original Equipment Manufacturer
OIG	Office of the Inspector General
OMB	Office of Management and Budget
OM&M	Operation, Maintenance, and Monitoring
OP	Operating Permit
OP	Organophosphate
OPA	Oil Pollution Act
OPPIN	Office of Pesticide Program Information
OSHA	Occupational Safety and Health Administration
OSTP	Office of Science and Technology Policy
OTCB	Ozone Transport Commission's NOx Budget
OTR	Ozone Transport Region
P2	Pollution Prevention
PAH	Polycyclic Aromatic Hydrocarbon
PAL	Plant-wide Applicable Limit
PBB	Poly-Brominated Biphenols
Pb	Lead
PbR	Permit by Rule
PBS	Packed Bed Scrubber
PBS	Pipeline Breakout Station
PBT	Persistent Bioaccumulative Toxic
PCB	Polychlorinated Biphenyl
PCBTF	Parachlorobenzotrifluoride
PCS	Permit Compliance System
PE	Professional Engineer
PEM	Predictive Emissions Monitoring
PERC	Perchloroethylene
PERS	Performance and Environmental Results System

PFC	Perfluorocarbons
PM	Particulate Matter
PM₁₀	Particulate Matter with an aerodynamic diameter less than 10 microns
PM_{2.5}	Particulate Matter with an aerodynamic diameter less than 2.5 microns (fine particulate)
PNGV	Partnership for a New Generation of Vehicles
POP	Persistent Organic Pollutant
POTW	Publicly Owned Treatment Works
PPA	Performance Partnership Agreement
PPB	Parts Per Billion
PPGs	Program Performance Grants
PPM	Parts Per Million
PRO	Program and Research Operations
PSD	Prevention of Significant Deterioration
PSELS	Plant Site Emission Limits
PTE	Potential to Emit
QA	Quality Assurance
QC	Quality Control
QIC	Quality and Information Council
QIP	Quality Improvement Plan
QSTI	Qualified Source Testing Individual
RACs	Response Action Contracts
RACM	Reasonably Available Control Measure
RACT	Reasonably Available Control Technology
RAP	Remedial Action Plan
RATA	Relative Accuracy Test Audit
R&D	Research and Development
RDF	Refuse Derived Fuel
REI	Reinventing Environmental Information
ReVA	Regional Vulnerability Assessment
RFE	Request for Enforcement
RFG	Reformulated Gasoline
RFP	Request for Proposal
RGI	Regional Geographic Initiative
RICE	Reciprocating Internal Combustion Engine
RMP	Risk Management Plan
RP	Responsible Parties
RPO	Regional Planning Organization
RRF	Resources Recovery Facility
RTO	Regenerative Thermal Oxidizer
RTP	Research Triangle Park in North Carolina (EPA center for air pollution research and regulation)
S&T	Science and Technology
SAB	Science Advisory Board
SAMI	Southern Appalachian Mountains Initiative
SAP	Scientific Advisory Panel
SARA	Superfund Amendments and Reauthorization Act of 1986
SBAP	Small Business Assistance Program
SBCAP	Small Business Assistance Compliance Panel
SBO	Small Business Ombudsman
SBPA	Small Business and Public Assistance
SCAP	Superfund Consolidated Accomplishments Plan
SCC	Source Classification Code
scf	standard cubic feet
SCR	Selective Catalytic Reduction
SDWA	Safe Drinking Water Act

SDWIS	Safe Drinking Water Information System
SEP	Supplemental Environmental Project
SES	Senior Executive Service
SES	Source Evaluation Society
SF₆	Sulfur Hexafluoride
SFIP	Sector Facility Indexing Project
SHV	Super-Heated Vapor
SI	Spark Ignition
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SITE	Superfund Innovative Technology Evaluation
SLAM	State and Local Air Monitoring Station
SO₂	Sulfur Dioxide
SO₃	Sulfates
SOCMI	Synthetic Organic Chemical Manufacturing Industry
SOP	Standard Operating Procedure
SO_x	Sulfur Oxides
SPCC	Spill Prevention, Control, and Countermeasures
SRI	Superfund Redevelopment Initiative
SSCs	Superfund State Contracts
SSM	Startup, Shutdown, and Malfunction
STAG	State and Tribal Assistance Grants
STAPPA	State and Territorial Air Pollution Program Administrators
STAR	Science to Achieve Results
T129	Title 129 – Nebraska Air Quality Regulations
TAMSC	Tribal Air Monitoring Support Center
TEA	Tribal Environmental Agreement
TEA-21	Transportation Equality Act for the 21st Century
THC	Total Hydrocarbons
TIP	Tribal Implementation Plan
TIS	Tolerance Index System
Title V	Title Five Operating Permit Program
TLV	Threshold Limit Value
TMDL	Total Maximum Daily Load
TO	Thermal Oxidizer
tpy	Tons Per Year
TRAC	Tolerance Reassessment Advisory Committee
TRI	Toxics Release Inventory
TRI-ME	Toxics Release Inventory Made Easy
TRIS	Toxic Release Inventory System
TRS	Total Reduced Sulfur compounds
T&S	Transmission and Storage Industry
TSCA	Toxic Substances Control Act
TSP	Total Suspended Particulate Matter
TTN	Technology Transfer Network
UATW	Unified Air Toxics Website
UMRA	Unfunded Mandates Reform Act of 1995
ULEV	Ultra Low Emission Vehicles
ULNB	Ultra Low NO _x Burner
USC	United States Code
USDA	U.S. Department of Agriculture
USFLM	United States Federal Land Managers
USGCRP	U.S. Global Change Research Program
UST	Underground Storage Tank
UTM	Universal Transverse Mercator

UV	Ultraviolet
UVOX	Ultraviolet Light Oxidation
VHAP	Volatile Hazardous Air Pollutant
VISTA	Visibility Improvement State and Tribal Association of the southwest
VMS	Volatile Methyl Siloxanes
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compound
WCF	Working Capital Fund
WQS	Water Quality Standards
WRAP	Western Regional Air Partnership
XL	eXcellence and Leadership
ZEV	Zero Emission Vehicles

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