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Air Quality Acronyms and Abbreviations

The Nebraska Department of Environmental and Energy (NDEE) 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	CAAA	Clean Air Act Amendment
4SC	4 Stroke Cycle	CARB	California Air Resources Board
µg/m³	Microgram per cubic meter	CAM	Compliance Assurance Monitoring
AAI	Aquatic Acidification Index	CAS	Chemical Abstracts Service
ABLERS	Adjusted Baseline Emission Rates	CASTNet	Clean Air Status Air Network
AFS	Air Facility Sources System	CAV	Compliance Assistance Visit
AG	Attorney General	CBSA	Core-based Statistical Area
AIRNOW	Computer model displays smog levels	CCR	Consumer Confidence Report
AIRS	Aerometric Information Retrieval System	CD	Calibration Drift
AP-42	EPA's Air Pollution Emission Factors	CEIS	Center for Environmental Information and Statistics
APCD	Air Pollution Control Device	CEM(S)	Continuous Emission Monitor (System)
API	American Paper Institute	CENRAP	Central Regional Air Planning Association
AQCD	Air Quality Criteria Document	CenSARA	Central States Air Resource Agencies
AQCR	Air Quality Control Region	CEPPO	Chemical Emergency Preparedness and Prevention Office
AQD	Air Quality Division	cf	Cubic feet
AQRV	Air Quality Related Values	CFA	Composite Fabricators Association
AQI	Air Quality Index	CFC	Chlorofluorocarbon
AQS	Air Quality Subsystem	CFR	Code of Federal Regulations
ARM	Ambient Ratio Method	CGA	Cylinder Gas Audit
ARP	Acid Rain Program	CH₄	Methane
ASTM	American Society for Testing and Materials	ChemFS	Chemical Fume Suppressants
AST	Aboveground Storage Tank	CI	Compression Ignition
ATS	Allowance Tracking System	CISWI	Commercial/Industrial Solid Waste Incinerator
AWMA	Air and Waste Management Association	CMAQ	Community Multi-scale Air Quality Model
B&F	Building and Facilities	CMP	Composite Mesh Pad system
BACM	Best Available Control Measures	CMS	Compliance Monitoring Strategy
BACT	Best Available Control Technology	CMS	Continuous Monitoring System
BART	Best Available Refit Technology	CO	Carbon Monoxide
bbi	Barrel	CO₂	Carbon Dioxide
BGT	Bulk Gasoline Terminal	CO₂e	Carbon Dioxide Equivalents
bhp	Brake Horsepower	COC	Certification of Compliance
BLERS	Baseline Emission Rates	COMS	Continuous Opacity Monitoring System
BLOX	Black Liquor Oxidation	CP	Construction Permit
BMS	Brownfields Management System	CPDS	Certified Production Data Sheet
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene	CPI	Consumer Price Index
BTU	British Thermal Unit	CPMS	Continuous Parameter Monitoring System
CA	Compliance Assistance	CSAPR	Cross-State Air Pollution Rule
CAA	Clean Air Act	CSO	Combined Sewer Overflows
		CTAG	Certification and Training Assessment Group
		CTG	Control Technique Guideline CAA Sect. 183

DCHD	Douglas County Health Department	FMFIA	Federal Managers Financial Integrity Act
DDT	Dichlorodiphenyltrichloroethane	FIP	Federal Implementation Plan
DEE	Department of Environmental and Energy	FOIA	Freedom of Information Act
DERA	Diesel Emission Reduction Act	FONSI	Finding of No Significant Impact
D/F	Dioxin/Furan	FPMN	Fine Particle Monitoring Network
DL	Detection Limit	FR	Federal Register
DOE	Department of Energy	FRD	Freeboard Refrigeration Device
DSCF	Dry Standard Cubic Feet	FREDS	Findings and Regional Elements Data System
DSMOA	Department of Defense and State Memorandum of Agreement	FRS	Facility Registry Systems
DV	Design Value	FS	Fume Suppressant
EAC	Emergency Action Center	FTE	Full Time Equivalents
EAS	Emergency Action System	FTIR	Fourier Transform Infrared
ECOS	Environmental Council of States	FY	Fiscal Year
ECS	Emission Control System	GACT	Generally Available Control Technology
EDC	Endocrine-Disrupting Chemical	GAO	General Accounting Office
EDSC	Environmental Data Standards Council	GAP	General Assistance Program
EEOC	Equal Employment Opportunity Commission	GC	Gas Chromatography
EGU	Electric Steam-Generating Unit	GC/MS	Gas Chromatography/Mass Spectrometry
EI	Emissions Inventory	GCRP	Global Change Research Program
EIA	Environmental Impact Assessment	GCVTC	Grand Canyon Visibility Transport Commission
EIA	Energy Information Agency	GEP	Good Engineering Practice
EIS	Environmental Impact Statement	GHGs	Greenhouse Gases
EMAP	Environmental Monitoring and Assessment Program	GIS	Geographic Informational System
EMC	Emissions Measurement Center	GPO	Government Printing Office
EMIS	Environmental Management Information System	GPRA	Government Performance and Results Act
EMPACT	Environmental Monitoring for Public Access and Community Tracking	GSA	General Services Administration
EMS	Environmental Management System	GWP	Global Warming Potential
E.O.	Executive Order	GWR	Ground Water Rule
EOSTAC	Endocrine Disruptor Screening and Testing Advisory Committee	H₂S	Hydrogen Sulfide
EP	Emission Point	HAP	Hazardous Air Pollutant
EPA	Environmental Protection Agency	HC	Hydrocarbon
EPCRA	Emergency Planning and Community Right-to-Know Act	HCFC	Hydrochlorofluorocarbons
EPM	Environmental Programs and Management	HEPA	High Efficiency Particulate Air
EQC	Environmental Quality Council	HF	Hydrofluoric Acid
ERT	EPA's Electronic Reporting Tool	HFC	Hydrofluorocarbon
ESP	Environmental Stewardship Program	Hg	Mercury
ESP	Electrostatic Precipitator	HHSS	Health and Human Services System
ETOH	Ethanol	HON	Hazardous Organic NESHAP
ETV	Environmental Technology Verification	HP	Horsepower
EU	Emission Unit	HPV	High Priority Violation
F-BME	Fiber-Bed Mist Eliminators	HUD	Department of Housing and Urban Development
FC	Fluoro Carbon	HVAC	Heating, Ventilation, and Air Conditioning
FDA	Food and Drug Association	HVLC	High Volume Low Concentration
FECA	Federal Employees Compensation Act	HVLP	High Volume Low Pressure
FEMA	Federal Emergency Management Agency	I-3	Information Integration Initiative
FERC	Federal Energy Regulatory Commission	I/M	Inspection and Maintenance
FESOP	Federally Enforceable State Operating Permit	IAG	Inter-Agency Agreement
FGR	Flue Gas Recirculation	ICAP	Inductively Coupled Atomic Plasma
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act	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	NATA	National Air Toxics Assessment
IPCT	Industrial Processing Cooling Tower	NCASI	National Council of the Paper Industry for Air and Stream Improvement
IPPs	Independent Power Producers	NGC	Non-Condensable Gases
IRIS	Integrated Risk Information System	NDEE	Nebraska Department of Environmental and Energy
IRM	Information Resources Management	NEI	National Emissions Inventory
ISC	Industrial Source Complex	NEJAC	National Environmental Justice Advisory Group
ISCLT	Industrial Source Complex Long-Term Model	NEP	National Estuary Program
ISCST	Industrial Source Complex Short-Term Model	NEPA	National Environmental Policy Act
ISEC	Integrated Science for Ecosystem Challenges	NEPA	Nebraska Environmental Policy Act
IT	Information Technology	NEPPS	National Environmental Performance Partnership System
IWI	Index of Watershed Indicators	NESHAPs	National Emission Standards for Hazardous Air Pollutants
kW	Kilowatt	NETI	National Enforcement Training Institute
Labs21	Laboratories for the 21st Century	NGL	Natural Gas Liquids
LAER	Lowest Achievable Emission Rate	NH₃	Ammonia
LDAR	Leak Detection and Repair	NHANES	National Health and Nutrition Evaluation Survey
LDC	Local Distribution Company	NMHC	Non Methane Hydrocarbons
LGCCS	Landfill Gas Collection and Control System	NMOC	Non Methane Organic Compounds
LLCHD	Lincoln-Lancaster County Health Department	N₂O	Nitrous Oxide
LNB	Low NOx Burner	NO₂	Nitrogen Dioxide
LOW	Letter of Warning	NOAA	National Oceanic and Atmospheric Administration
LPG	Liquid Petroleum Gas	NOx	Nitrogen Oxides
LUST	Leaking Underground Storage Tank	NOV	Notice of Violation
MACT	Maximum Achievable Control Technology	NPDES	National Pollution Discharge Elimination System
MANE-VU	Mid Atlantic/Northeast Visibility Union	NPL	National Priorities List
ME	Monitoring Equipment	NPRD	National Pesticide Residue Database
METP	Multistate Emissions Trading Program	NPS	Nonpoint Source
Mgal	One thousand gallons	NRD	Natural Resource District
MIMS	Multimedia Integrated Modeling System	NRDC	Natural Resources Defense Council
MMBtu	Million British Thermal Units	NRVOC	Negligibly Reactive Volatile Organic Compounds
MMBtu/Hr	Million British Thermal Units per Hour	NSATA	National-Scale Air Toxics Assessment
MMcf	One million cubic feet	NSCR	Non-Selective Catalytic Reduction
MMPP	Miscellaneous Metal Parts and Products	NSPS	New Source Performance Standard
MMTCE	Metric Tons of Carbon Equivalent	NSR	New Source Review
MOBILE	Mobile Source Emissions Factor Model	NTI	National Toxics Inventory
MOR	Management Oversight Review	NTIS	National Technical Information System
MPG	Miles Per Gallon	O₃	Ozone
MSDS	Material Safety Data Sheet	OAQC	Omaha Air Quality Control
MSW	Municipal Solid Waste	OAQPS	EPA's Office of Air Quality Planning and Standards
MSWG	Multi-State Working Group	OAR	EPA's Office of Air and Radiation
MTBE	Methyl Tertiary Butyl Ether	OCFO	Office of the Chief Financial Officer
MW	Megawatt	ODS	Ozone-Depleting Substance
MWe	Megawatts Electricity	OECA	EPA's Office of Enforcement and Compliance Assurance
MYP	Multiyear Plan	OECD	Organization for Economic Cooperation and Development
NAAQS	National Ambient Air Quality Standards	OEI	Office of Environmental Information
NAC	National Advisory Committee	OEM	Original Equipment Manufacturer
NACAA	National Association of Clean Air Agencies	OIG	Office of the Inspector General
NADP	National Atmospheric Deposition Program	OMB	Office of Management and Budget
NAFTA	North American Free Trade Agreement	OM&M	Operation, Maintenance, and Monitoring
NAPAP	National Acid Precipitation Assessment Program		
NARAP	North American Regional Action Plan		
NAS	National Academy of Science		

OP	Operating Permit	REI	Reinventing Environmental Information
OP	Organophosphate	ReVA	Regional Vulnerability Assessment
OPA	Oil Pollution Act	RFE	Request for Enforcement
OPPIN	Office of Pesticide Program Information	RFG	Reformulated Gasoline
OSHA	Occupational Safety and Health Administration	RFP	Request For Proposal
OSTP	Office of Science and Technology Policy	RGI	Regional Geographic Initiative
OTCB	Ozone Transport Commission's NOx Budget	RICE	Reciprocating Internal Combustion Engine
OTR	Ozone Transport Region	RMP	Risk Management Plan
		RP	Responsible Parties
P2	Pollution Prevention	RPO	Regional Planning Organization
PAH	Polycyclic Aromatic Hydrocarbon	RRF	Resources Recovery Facility
PAL	Plant-wide Applicable Limit	RTO	Regenerative Thermal Oxidizer
PBB	Poly-Brominated Biphenols	RTP	Research Triangle Park in North Carolina
Pb	Lead		
PbR	Permit by Rule	S&T	Science and Technology
PBS	Packed Bed Scrubber	SAB	Science Advisory Board
PBS	Pipeline Breakout Station	SAMI	Southern Appalachian Mountains Initiative
PBT	Persistent Bioaccumulative Toxic	SAP	Scientific Advisory Panel
PCB	Polychlorinated Biphenyl	SARA	Superfund Amendments and Reauthorization Act of 1986
PCBTF	Parachlorobenzotrifluoride	SBAP	Small Business Assistance Program
PCS	Permit Compliance System	SBCAP	Small Business Assistance Compliance Panel
PE	Professional Engineer	SBO	Small Business Ombudsman
PEM	Predictive Emissions Monitoring	SBPA	Small Business and Public Assistance
PERC	Perchloroethylene	SCAP	Superfund Consolidated Accomplishments Plan
PERS	Performance and Environmental Results System	SCC	Source Classification Code
PFC	Perfluorocarbons	scf	standard cubic feet
PM	Particulate Matter	SCR	Selective Catalytic Reduction
PM₁₀	Particulate Matter with an aerodynamic diameter less than 10 microns	SDWA	Safe Drinking Water Act
PM_{2.5}	Particulate Matter with an aerodynamic diameter less than 2.5 microns (fine particulate)	SDWIS	Safe Drinking Water Information System
		SEP	Supplemental Environmental Project
PNGV	Partnership for a New Generation of Vehicles	SES	Senior Executive Service
POP	Persistent Organic Pollutant	SES	Source Evaluation Society
POTW	Publicly Owned Treatment Works	SF₆	Sulfur Hexafluoride
PPA	Performance Partnership Agreement	SFIP	Sector Facility Indexing Project
PPB	Parts Per Billion	SHV	Super Heated Vapor
PPGs	Program Performance Grants	SI	Spark Ignition
PPM	Parts Per Million	SIC	Standard Industrial Classification
PRO	Program and Research Operations	SIP	State Implementation Plan
PSD	Prevention of Significant Deterioration	SITE	Superfund Innovative Technology Evaluation
PSELS	Plant Site Emission Limits	SLAM	State and Local Air Monitoring Station
PTE	Potential to Emit	SO₂	Sulfur Dioxide
		SO₃	Sulfates
QA	Quality Assurance	SOCMI	Synthetic Organic Chemical Manufacturing Industry
QC	Quality Control	SOP	Standard Operating Procedure
QIC	Quality and Information Council	SO_x	Sulfur Oxides
QIP	Quality Improvement Plan	SPCC	Spill Prevention, Control, and Countermeasures
QSTI	Qualified Source Testing Individual	SRI	Superfund Redevelopment Initiative
RACs	Response Action Contracts	SSCs	Superfund State Contracts
RACM	Reasonably Available Control Measure	SSM	Startup, Shutdown, and Malfunction
RACT	Reasonably Available Control Technology	STAG	State and Tribal Assistance Grants
RAP	Remedial Action Plan	STAPPA	State and Territorial Air Pollution Program Administrators
RATA	Relative Accuracy Test Audit		
R&D	Research and Development	STAR	Science to Achieve Results
RDF	Refuse Derived Fuel		

T129	Title 129 – Nebraska Air Quality Regulations	ULEV	Ultra Low Emission Vehicles
TAMSC	Tribal Air Monitoring Support Center	ULNB	Ultra Low NOx Burner
TEA	Tribal Environmental Agreement	USC	United States Code
TEA-21	Transportation Equality Act for the 21st Century	USDA	U.S. Department of Agriculture
THC	Total Hydrocarbons	USFLM	United States Federal Land Managers
TIP	Tribal Implementation Plan	USGCRP	U.S. Global Change Research Program
TIS	Tolerance Index System	UST	Underground Storage Tank
Title V	Title Five Operating Permit Program	UTM	Universal Transverse Mercator
TLV	Threshold Limit Value	UV	Ultraviolet
TMDL	Total Maximum Daily Load	UVOX	Ultraviolet Light Oxidation
TO	Thermal Oxidizer	VHAP	Volatile Hazardous Air Pollutant
tpy	Tons Per Year	VISTA	Visibility Improvement State and Tribal Association of the southwest
TRAC	Tolerance Reassessment Advisory Committee	VMS	Volatile Methyl Siloxanes
TRI	Toxics Release Inventory	VMT	Vehicle Miles Traveled
TRI-ME	Toxics Release Inventory Made Easy	VOC	Volatile Organic Compound
TRIS	Toxic release Inventory System	WCF	Working Capital Fund
TRS	Total Reduced Sulfur compounds	WQS	Water Quality Standards
T&S	Transmission and Storage Industry	WRAP	Western Regional Air Partnership
TSCA	Toxic Substances Control Act	XL	eXcellence and Leadership
TSP	Total Suspended Particulate Matter	ZEV	Zero Emission Vehicles
TTN	Technology Transfer Network		
UATW	Unified Air Toxics Website		
UMRA	Unfunded Mandates Reform Act of 1995		

Produced by: Nebraska Department of Environment and Energy, P.O. Box 98922, Lincoln, NE 68509-8922; phone (402) 471-2186. To view this, and other information related to our agency, visit our web site at <http://dee.ne.gov>