



Air Quality Oil and Gas Acronyms and Abbreviations *rev. May 2014*

General Air Quality

AQAB	Air Quality Advisory Board	N ₂ O	Nitrous Oxide
AQD	Air Quality Division	NO _x	Nitrogen Oxides
BLM	US Bureau of Land Management	NO _y	Total Reactive Nitrogen
C6 S2	Chapter 6 Section 2 (of the WAQSR)	NPS	US National Park Service
CAA	Clean Air Act	NSPS	New Source Performance Standards
CAAA	Clean Air Act Amendments of 1990	NSR	New Source Review
CAM	Compliance Assurance Monitoring	O ₃	Ozone
CFR	Code of Federal Regulations	O&G	Oil and Gas
CH ₄	Methane	ORD	US EPA Office of Research and Development
CO	Carbon Monoxide	Pb	Lead
CO ₂	Carbon Dioxide	PM	Particulate Matter
CO ₂ e	Carbon Dioxide Equivalent	PM _{2.5}	Particulate Matter less than 2.5 microns in size
EIS	Environmental Impact Statement	PM ₁₀	Particulate Matter less than 10 microns in size
EPA	US Environmental Protection Agency	ppb	Parts per Billion
EQC	Wyoming Environmental Quality Council	ppm	Parts per Million
FIP	Federal Implementation Plan	PSD	Prevention of Significant Deterioration
FLM	Federal Land Manager	R8	US EPA Region 8
FS	US Forest Service	ROD	Record of Decision
GHG	Greenhouse Gas	S	Sulfur
H ₂ S	Hydrogen Sulfide	SIP	State Implementation Plan
HAP	Hazardous Air Pollutants	SO ₂	Sulfur Dioxide
HCHO	Formaldehyde	Title V	Major Source Permitting Program
HONO	Nitrous Acid	ug/m ³	Microgram per Cubic Meter
hr	Hour	U.S.C.	United States Code
IMPACT	Division's Electronic Env. Data Mgmt. System	VOC	Volatile Organic Compounds
NAA	Nonattainment Area	WAAQS	Wyoming Ambient Air Quality Standard
NAAQS	National Ambient Air Quality Standard	WAQD	Wyoming Air Quality Division
NEPA	National Environmental Policy Act	WAQSR	Wyoming Air Quality Standards and Regulations
NESHAP	Nat'l Emission Stds for Hazardous Air Pollutants	WDEQ	Wyoming Department of Environmental Quality
NH ₃	Ammonia	WOGCC	Wyoming Oil and Gas Conservation Commission
NMHC	Nonmethane Hydrocarbon	W.S.	Wyoming Statute
NO ₂	Nitrogen Dioxide		

Air Quality Oil and Gas Permitting

ACFM	Actual Cubic Feet per Minute	JPAD	Jonah & Pinedale Anticline Development Area
AFRC	Air to Fuel Ratio Controller	LAER	Lowest Achievable Emission Rate
API	American Petroleum Institute	lb	Pound
AVO	Audio-Visual-Olfactory	lb/hr	Pounds per Hour
BACT	Best Available Control Technology	LDAR	Leak Detection and Repair Program
BBL	Barrel	LP	Low Pressure
Bhp	Brake Horsepower	MACT	Maximum Achievable Control Technology
BPD	Barrels per Day	MMBtu	One Million British thermal units
BTEX	Benzene/Toluene/Ethyl-benzene/Xylenes	MMSCF	One Million Standard Cubic Feet
Btu	British thermal unit	MMSCFD	One Million Standard Cubic Feet per Day
CDA	Concentrated Development Area	mol	Mole
FDOP	First Date of Production	MSCF	One Thousand Standard Cubic Feet
g/hp-hr	Grams per Horsepower Hour	MSCFD	One Thousand Standard Cubic Feet per Day
gal	Gallon	NOI	Notice of Installation
gpm	Gallons per Minute	NPL	Normally Pressured Lance
HP	High Pressure	NSCR	Non-Selective Catalytic Reduction
hp	Horsepower	P-BACT	Presumptive Best Available Control Technology



Air Quality Oil and Gas Acronyms and Abbreviations (cont.) *rev. May 2014*

Air Quality Oil and Gas Permitting (cont.)

PAD	Multiple Well Facility	S/W/B	Standing/Working/Breathing losses
pph	Pounds per Hour	SCF	Standard Cubic Foot
PPMV	Parts per Million by Volume	SCR	Selective Catalytic Reduction
PPMW	Parts per Million by Weight	TEG	Tri-Ethylene Glycol
psig	Pounds per Square Inch Gauge	TPD	Tons per Day
psia	Pounds per Square Inch Absolute	TPH	Tons per Hour
PTE	Potential to Emit	TPY	Tons per Year
RACT	Reasonably Available Control Technology		

Air Quality Modeling

AERMOD	Atmospheric Plume Dispersion Modeling System	CMAQ	Community Multi-Scale Air Quality Model
AERMET	Meteorological Data Preprocessor for AERMOD	PGM	Photochemical Grid Model
CALPUFF	Atmospheric Puff Dispersion Modeling System	SMOKE	Sparse Matrix Operator Kernel Emissions Model
CAMx	Comprehensive Air Quality Model with Extensions	WRF	Weather Research and Forecasting Model

Air Quality Monitoring

AQRV	Air Quality Related Value	O&M	Operation and Maintenance
AQS	EPA's Air Quality System	PAMS	Photochemical Assessment Monitoring System
BAM	Beta Attenuation Monitor (PM)	QA	Quality Assurance
CASTNet	Clean Air Status and Trends Network	QAPP	Quality Assurance Project Plan
CoCoRaHS	Community Collaboration Rain, Hail & Snow Network	QC	Quality Control
FEM	Federal Equivalent Method	SLAMS	State and Local Air Monitoring Stations
FRM	Federal Reference Method	SOP	Standard Operating Procedures
IMPROVE	Interagency Monitoring of Protected Visual Environments	STP	Standard Temperature and Pressure
MDN	Mercury Deposition Network	SPM	Special Purpose Monitor
MSA	Metropolitan Statistical Area	TEOM	Tapered Element Oscillating Microbalance (PM)
NADP	National Atmospheric Deposition Program	WARMS	Wyoming Air Resources Monitoring System
NCore	National Core Monitoring Site (Cheyenne, WY)	WyVisNet	AQD Monitoring Web Site (www.wyvisnet.com)
NEAP	Natural Events Action Plan		

Air Quality Rulemaking

AG	Attorney General	SOS	Secretary of State
LSO	Legislative Service Office		

Air Quality Compliance

AFR	Air to Flow Ratio	NOV	Notice of Violation
FLIR	Forward Looking Infra-Red Camera	PA	Portable Analyzer Testing
LOV	Letter of Violation	RM	EPA Reference Method Testing

Upper Green River Basin

JFM	January, February, March	UGRB	Upper Green River Basin
IOP	Intensive Operating Period	UGWOS	Upper Green Winter Ozone Study
OAD	Ozone Action Day	WOS	Winter Ozone Season
OCP	Ozone Contingency Plan	WOU	Winter Ozone Update