



AIR QUALITY CONSTRUCTION PERMITS

COMMON ACRONYMS

There are many terms and acronyms used in the air quality program. This fact sheet has been developed to provide a brief explanation of some of those terms that could be listed within your air quality construction permit. Please note that these acronyms may not be the exact definition of the term or acronym as contained within the regulations.

acfm	Actual cubic feet per minute
Applicant	The owner, company official or authorized agent
BACT	Best Achievable Control Technology
Btu	British thermal unit
°C	Degrees Celsius
Condensable PM	Material that condenses and/or reacts upon cooling and dilution in the ambient air to form particulate matter immediately after discharge from the stack
CO ₂ e	Carbon dioxide equivalent which is the aggregate emissions of greenhouse gas (GHG) emissions based on global warming potentials
Department	Iowa Department of Natural Resources
dia.	Diameter
°F	Degrees Fahrenheit
ft	Foot
GHG	Greenhouse Gas which is defined as being the group of carbon dioxide (CO ₂), methane (CH ₄), nitrous oxide (N ₂ O), hydrofluorocarbons (HFC), perfluorocarbons (PFC) and sulfur hexafluoride (SF ₆)
g	grams
g/dscm	Grams per dry standard cubic meter
gr	Grains
gr/dscf	Grains per dry standard cubic foot
gr/scf	Grains per standard cubic foot
HAP	Hazardous Air Pollutant(s)
hp	horsepower
hr	Hour
LAER	Lowest Achievable Emission Rate
lb	Pound
lb/hr	Pounds per hour
m	Meter
MACT	Maximum Achievable Control Technology
mg	Milligram
MM	Million
MSDS	Material Safety Data Sheet
MW	Megawatt
NA	Not Applicable
PM _{2.5}	Particulate Matter with an aerodynamic diameter equal to or less than 2.5 microns
PM ₁₀	Particulate Matter with an aerodynamic diameter equal to or less than 10 microns

PM – Federal	Particulate Matter that does not include the condensable PM
PM – State	Particulate Matter that includes condensable PM
ppm	parts per million
ppmv	parts per million by volume
ppmw	parts per million by weight
RACT	Reasonably Achievable Control Technology
scfm	Standard cubic feet per minute
SDS	Safety Data Sheet
SHAP	Single hazardous air pollutant
THAP	Total hazardous air pollutants
tons/yr	Tons per year
yr	Year