

## Air Permitting Acronyms

**µg** = microgram  
**µg/m<sup>3</sup>** = microgram per cubic meter

### -A-

**ACC** = annual compliance certification  
**acfm** = actual cubic feet per minute  
**ACI** = air curtain incinerator  
**ACI** = animal carcass incinerator  
**ACPS** = application compliance plan and schedule  
**ADMT** = Air Dispersion Modeling Team  
**ADR** = alternate designated representative  
**AEMR** = applicant emission unit monitoring requirements  
**AER** = allowable emission rate  
**AERMOD** = American Meteorological Society/ EPA regulatory model  
**AMOC** = alternate means of control  
**AOS** = alternative operating scenario  
**AP-42** = Air Pollutant Emission Factors, 5th edition  
**APD** = Air Permits Division  
**APIRT** = Air Permits Initial Review Team  
**APWL** = air pollutant watch list  
**ARACT** = alternate RACT  
**AREACIRC** = co-located circular area source  
**ARP** = acid rain program

### -B-

**BPA** = Beaumont/ Port Arthur  
**BACT** = best available control technology  
**BAE** = baseline actual emissions  
**BART** = best available retrofit technology  
**bbl** = barrel  
**bbl/day** = barrel per day  
**bhp** = brake horsepower  
**BTEX** = benzene, toluene, ethyl benzene, xylene  
**Btu** = British thermal unit  
**Btu/scf** = British thermal unit per standard cubic foot or feet

### -C-

**C<sub>2</sub>H<sub>4</sub>O** = ethylene oxide  
**C<sub>2</sub>H<sub>6</sub>** = ethane

**C<sub>3</sub>H<sub>8</sub>** = propane

**CAA** = Clean Air Act  
**CAAA** = Clean Air Act Amendments  
**CAIR** = Clean Air Interstate Rule  
**CAM** = compliance assurance monitoring  
**CAMR** = Clean Air Mercury Rule  
**C/C** = Combustion (and) Coatings (Section)  
**CCEDS** = Consolidated Compliance and Enforcement Data System  
**CCO** = Chief Clerk's Office  
**CEMS** = continuous emissions monitoring systems  
**CERCLA** = Comprehensive Environmental Response, Compensation and Liability Act  
**cf/day** = cubic foot or feet per day  
**CFC** = chlorofluorocarbons  
**cfm** = cubic feet (per) minute  
**CFR** = Code of Federal Regulations  
**CH<sub>4</sub>** = methane  
**CIN** = control (equipment) identification number  
**CISWI** = commercial and industrial solid waste incineration  
**Cl<sub>2</sub>** = chlorine  
**CMP** = (Texas) Coastal Management Plan  
**CN** = customer ID number  
**CNG** = compressed natural gas  
**CO** = carbon monoxide  
**CO<sub>2</sub>** = carbon dioxide  
**COMS** = continuous opacity monitoring system  
**COS** = carbonyl sulfide  
**CPMS** = continuous parametric monitoring system  
**CR** = Central Registry  
**CRO** = Certification by Responsible Official  
**CS<sub>2</sub>** = carbon disulfide  
**CT** = cooling towers  
**CWA** = Clean Water Act

### -D-

**DFW** = Dallas/Fort Worth (Metroplex)  
**DAR** = duly authorized representative  
**DE** = destruction efficiency  
**DEA** = diethanolamine

## Air Permitting Acronyms

**DGA** = diglycolamine  
**DIPA** = di-isopropylamine  
**DR** = designated representative  
**DRE** = destruction and removal efficiency  
**dscf** = dry standard cubic foot or feet  
**dscfm** = dry standard cubic foot or feet per minute

### -E-

**E<sub>max</sub>** = maximum (acceptable) emission (rate)  
**ED** = (TCEQ) Executive Director  
**EF** = emissions factor  
**EFR** = external floating roof tank  
**EG** = emissions guidelines  
**EI** = Emissions Inventory  
**EQ** = Emissions Inventory Questionnaire  
**ELD** = Environmental Law Division  
**ELP** = El Paso  
**EPA** = (United States) Environmental Protection Agency  
**EPN** = emission point number  
**ESL** = effects screening level  
**EU** = emission unit

### -F-

**FAP** = flexible air permit  
**FCAA** = Federal Clean Air Act  
**FCAAA** = Federal Clean Air Act Amendments (of 1990)  
**FID** = flame ionization detector  
**FIN** = facility identification number  
**FIP** = federal implementation plan  
**FLM** = Federal Land Manager  
**FOP** = federal operating permit  
**FR** = Federal Register  
**ft** = foot or feet  
**ft/sec** = foot or feet per second

### -G-

**g** = gram  
**GACT** = generally achievable control technology  
**gal/wk** = gallon per week  
**gal/yr** = gallon per year  
**GasFindIR** = GasFind infrared (camera)  
**GC** = gas chromatography

**GCCS** = (municipal solid waste) gas collection and control system  
**GLC<sub>max</sub>** = maximum (predicted) ground-level concentration  
**GOP** = general operating permit  
**gpm** = gallon per minute  
**gr/1000scf** = grain per 1000 standard cubic feet  
**gr/dscf** = grain per dry standard cubic feet

### -H-

**HGB** = Houston/Galveston/Brazoria (Metroplex)  
**H<sub>2</sub>CO** = formaldehyde  
**H<sub>2</sub>S** = hydrogen sulfide  
**H<sub>2</sub>SO<sub>4</sub>** = sulfuric acid  
**HAP** = hazardous air pollutant  
**HB** = house bill  
**HC** = hydrocarbons  
**HCl** = hydrochloric acid  
**Hg** = mercury  
**HMIW** = hospital, medical, and infectious waste  
**hp** = horsepower  
**hr** = hour  
**HRGC** = high resolution gas chromatography  
**HRMS** = high resolution mass spectrometry  
**HRVOC** = highly reactive volatile organic compound

### -I-

**IBR** = incorporation by reference  
**ICE** = internal combustion engine  
**IFR** = internal floating roof tank  
**IMS** = Information Management System  
**in H<sub>2</sub>O** = inches of water  
**in Hg** = inches of mercury  
**IR** = infrared  
**ISCST3** = industrial source complex short-term (model)

### -K-

**K** = Kelvin; extension of the degree Celsius scale down to absolute zero

### -L-

**LACT** = lease automatic custody transfer

## Air Permitting Acronyms

**LAER** = lowest achievable emission rate  
**lb** = pound  
**lb/day** = pound per day  
**lb/hr** = pound per hour  
**lb/MMBtu** = pound per million British thermal units  
**LBB** = Legislative Budget Board  
**LDAR** = Leak Detection and Repairs (Requirements)  
**L<sub>L</sub>** = loading losses  
**LNG** = liquefied natural gas  
**LPG** = liquefied petroleum gas (or landfill gas)  
**LT/D** = long ton per day

### -M-

**M** = roman numeral for one thousand or common abbreviation for one million  
**M<sup>3</sup>** = million cubic meters  
**m** = meter  
**m<sup>3</sup>** = cubic meter  
**m/sec** = meters per second  
**MACT** = maximum achievable control technology  
**MAERT** = Maximum Allowable Emission Rate Table  
**MCM** = million cubic meters  
**MDEA** = methyl-diethanolamine  
**MEA** = monoethanol amine  
**MECA** = Mercury Emissions Control Act  
**MERA flowchart** = modeling and effects review applicability flowchart  
**mg** = milligram  
**mg/g** = milligram per gram  
**Mg/yr** = mega gram per year  
**mL** = milliliter  
**MM** = million in Roman numerals  
**MMBtu** = million British thermal units  
**MMBtu/hr** = million British thermal units per hour  
**MMCFD** = million cubic feet per day  
**MMg** = million mega grams  
**MNSR** = major new source review  
**MOA** = Memorandum of Agreement  
**MOU** = Memorandum of Understanding  
**MSDS** = material safety data sheet  
**MSS** = maintenance, startup, and shutdown  
**MSW** = municipal solid waste

**MSWDF** = municipal solid waste disposal facility  
**MSWLF** = municipal solid waste landfill  
**MW** = megawatt

### -N-

**N** = nitrogen  
**NA** = nonattainment  
**NAAQS** = National Ambient Air Quality Standards  
**NADB** = National Allowance Database  
**NaOH** = sodium hydroxide  
**NARMP** = National Acid Rain Monitoring Program  
**NEPA** = National Environmental Policy Act  
**NESHAP** = National Emission Standards for Hazardous Air Pollutants  
**NGL** = natural gas liquids  
**NH<sub>3</sub>** = ammonia  
**NMOC** = non-methane organic carbon  
**NNSR** = nonattainment new source review  
**NO<sub>2</sub>** = nitrogen dioxide  
**NO<sub>x</sub>** = oxides of nitrogen  
**NOD** = notice of deficiency  
**NOE** = notice of enforcement  
**NOI** = notice of intent  
**NOV** = notice of violation  
**NSPS** = New Source Performance Standards  
**NSR** = New Source Review  
**NSRP** = new source review permits

### -O-

**O** = oxygen  
**O<sub>3</sub>** = ozone  
**OA** = Office of Air  
**OAS** = Office of Administrative Services  
**OCE** = Office of Compliance and Enforcement  
**OGS** = oil and gas site  
**OLS** = Office of Legal Services  
**OP** = Operating Permits (Section)  
**OPA** = Office of Public Assistance  
**OPIC** = Office of Public Interest Counsel  
**ORIS** = Office of Regulatory Information System

## Air Permitting Acronyms

### -P-

**PAE** = projected actual emissions  
**PAL** = plant-wide applicability limit  
**Pb** = lead  
**PBR** = permit by rule  
**PCP** = pollution control project  
**PCS** = permit compliance system  
**PDS** = preliminary determination summary  
**PEL** = permissible exposure limit  
**PEMS** = predictive emission monitoring system  
**PID** = photo ionization detector  
**PM** = particulate matter  
**PM** = periodic monitoring  
**PM<sub>2.5</sub>** = particulate matter less than or equal to 2.5 microns in diameter  
**PM<sub>10</sub>** = particulate matter less than or equal to ten microns in diameter  
**PN** = public notice  
**PNAP** = public notice authorization package  
**POC** = products of combustion  
**PPA** = Pollution Prevention Act  
**ppb** = parts per billion  
**pphm** = parts per hundred million  
**ppm** = parts per million  
**ppmdv** = parts per million (by) dry volume  
**ppmv** = parts per million (by) volume  
**ppmvd** = parts per million (by) volume, dry  
**PSD** = prevention of significant deterioration  
**PSDB** = point source database  
**psi** = pounds (per) square inch  
**psia** = pounds (per) square inch, absolute (pressure)  
**psig** = pounds (per) square inch, gage  
**PTE** = potential to emit  
**PVC** = polyvinyl chloride

### -R-

**RA** = relative accuracy  
**RACM** = reasonably available control measure  
**RACT** = reasonably available control technology  
**RATA** = relative accuracy test audit  
**RBLC** = RACT/BACT/LAER clearinghouse

**RCRA** = Resource Conservation and Recovery Act  
**RFC** = request for comments  
**RICE** = reciprocating internal combustion engine  
**RM** = reference method  
**RN** = (regulated entity) reference number  
**RO** = responsible official  
**RR** = Rule Registrations (Section)  
**RRT** = requirements reference table  
**RTC** = response to comments  
**rvp** = Reid vapor pressure

### -S-

**SARA** = Superfund Amendment and Reauthorization Act  
**scf** = standard cubic foot or feet  
**scfh** = standard cubic foot or feet (per) hour  
**scfm** = standard cubic foot or feet (per) minute  
**scmd** = standard cubic meter (per) day  
**SCR** = selective catalytic reduction  
**SE** = standard exemption  
**SIC** = standard industrial classification (codes)  
**SIL** = significant impact level  
**SIP** = state implementation plan  
**SMC** = significant monitoring concentration  
**SMSS** = scheduled maintenance, startup, and shutdown (activities)  
**SOCMI** = synthetic organic chemical manufacturing industry  
**SO<sub>2</sub>** = sulfur dioxide  
**SO<sub>4</sub>** = sulfates  
**SOB** = statement of basis  
**SOP** = site operating permit  
**SO<sub>x</sub>** = oxides of sulfur  
**SP** = standard permit  
**SRU** = sulfur recovery unit  
**Std** = standard

### -T-

**T°C** = temperature degrees Celsius  
**T°F** = temperature degrees Fahrenheit  
**T&S** = transfer and storage  
**TAC** = Texas Administrative Code  
**TCAA** = Texas Clean Air Act

## Air Permitting Acronyms

**TCEQ** = Texas Commission on  
Environmental Quality  
**TEA** = triethanolamine  
**THC** = total hydrocarbons  
**THSC** = Texas Health and Safety Code  
**TLV** = threshold limit value  
**TMDL** = total maximum daily load  
**TOC** = total organic compounds  
**tpd** = tons per day  
**tph** = tons per hour  
**TPS** = Technical Program Support  
(Section)  
**tpy** = tons per year  
**TRI** = toxic release inventory  
**TRV** = technical review  
**TS** = (municipal solid waste) transfer  
station  
**TSP** = total suspended particulate  
(matter)  
**TSS** = total suspended solids  
**tpv** = true vapor pressure  
**TWC** = Texas Water Code  
**TexReg** = Texas Register

-U-

**UA** = unit attributes  
**USC** = United States Code  
**USEPA** = United States Environmental  
Protection Agency

-V-

**V-B** = Vasquez-Beggs correlation  
equation  
**VOC** = volatile organic compound  
**VRU** = vapor recovery unit or system

-W-

**WDP** = working draft permit