

List of abbreviations

AC	Activated carbon
AF	Air factor
ASR	Auto shredder residue
ASTM	American Society for Testing and Materials
BaP	Benzo(a)pyrene
BFB	Bubbling fluidised bed
BFBC	Bubbling fluidised bed combustion
BFR	Brominated flame retardant
CC	Combined cycle
CFB	Circulating fluidised bed
CFBC	Circulating fluidised bed combustion
CFC	Chlorofluorocarbon
CRT	Continuously Regenerating Trap
CSTR	Continuously Stirred Tank Reactor
DBDPE	Decabromo diphenyl ether
DIN	Deutsche Industrie Norm
DLN	Dry Low-NO _x
DRE	Destruction and removal efficiency
E&EE	Electric and electronic equipment
EOR	Enhanced oil recovery
EPA	Environmental Protection Agency (USA)
EPRI	Electric Power Research Institute (USA)
ESP	Electrostatic precipitator
ETSU	Energy Technology Support Unit (UK)
FB	Fluidised Bed
FGD	Flue gas desulphurisation
FGR	Flue gas recirculation
GBF	Granular bed filter
GHG	Greenhouse gas

GWP	Greenhouse warming potential
HAP	Hazardous air pollutant (USA)
HC	Hydrocarbon
HCFC	Hydrogenated chlorofluorocarbon
HFC	Hydrofluorocarbon
HTHP	High temperature, high pressure
IEA	International Energy Agency
IGCC	Integrated Gasification Combined Cycle
IRZ	Internal Recirculation Zone
LFL	Lower flammability limit
LIFAC	Limestone Injection into the Furnace and Activation of unreacted Calcium
LIMB	Limestone Injection Multi-stage Burner
LNCFS	Low NO _x Concentric Firing System
MSW	Municipal Solid Waste
MWth	Megawatt thermal
NGCC	Natural gas-fired combined cycle
NID	New Integrated Desulphurisation
NMVOCS	Non-methane Volatile Organic Compounds
NO _x	Nitrogen oxides (NO + NO ₂)
NSPS	New Source Performance Standard (USA)
OECD	Organisation for Economic Cooperation and Development
ODP	Ozone-depleting potential
ODS	Ozone-depleting substance
OFA	Over-fire air
PAH	Polycyclic Aromatic Hydrocarbon
PBDD/F	Polybrominated dibenzo-p-dioxins / furans
PBDPE, PBDE	Polybromo diphenyl ether
PC	Pulverised Coal
PCB	Polychlorinated biphenyl
PCDD/F	Polychlorinated dibenzo-p-dioxins / furans
PDF	Packaging-derived fuel

PFBC	Pressurised Fluidised Bed Combustion
PFBC-CC	Pressurised Fluidised Bed Combustion Combined Cycle
PFC	Perfluorocarbon
PM _{2.5}	Particulate matter smaller than 2.5 micrometer
PM ₁₀	Particulate matter smaller than 10 micrometer
POHC	Principal organic hazardous constituent (USA)
ppb	parts per billion
ppbv	parts per billion by volume
ppm	parts per million
ppmv	parts per million by volume
PVC	Poly vinyl chloride
RDF	Refuse-derived fuel
RE	Relative enrichment factor
REF	Recovered fuel (Finland)
RH	Relative humidity
SCA	Specific collection area
SCOT	Shell's Claus Off-gas Treatment
SCR	Selective Catalytic Reduction
SNCR	Selective Non-catalytic Reduction
SNRB	SO _x -NO _x -RO _x -BO _x
SO _x	Sulphur oxides (SO ₂ + SO ₃)
STP	Standard temperature and pressure (0EC, 1 bar)
TBBPA	Tetrabromo bisphenol A
TDF	Tyre-derived fuel (<i>i.e.</i> car tyre scrap)
TEF	Toxicity equivalence factor
TEQ	Toxic equivalents
THC	Total hydrocarbon
TOC	Total organic carbon
UFL	Upper flammability limit
US DOE	United States Department of Energy
VOC	Volatile Organic Compound
WHO	World Health Organisation

