

ABBREVIATIONS

AEGI - Amine Enhanced Gas Injection

AGR - Advanced Gas Reburning

AH-SCR - Air Heater Selective Catalytic Reduction

BACT - Best Available Control Technology

BOOS - Burners Out of Service

Btu - British thermal unit

CAAA90 - Clean Air Act Amendments of 1990

CaCO₃ - Calcium Carbonate (limestone)

CaO - Calcium Oxide (lime)

Cascade - SNCR/SCR Hybrid

CaSO₃ - Calcium Sulfite

CaSO₄ - Calcium Sulfate

CaSO₄•2H₂O - Gypsum

CCOFA - Closed-Coupled Overfire Air

CEM - Continuous Emissions Monitor

CFD - Computational Fluid Dynamics

CKM - Chemical Kinetic Model

CO - Carbon Monoxide

CO₂ - Carbon Dioxide

CO(NH)₂ - Urea

CR - Coal Reburning

CTR - Combustion Controls

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DOE - Department of Energy

EPA - Environmental Protection Agency

EPRI - Electric Power Research Institute

ESP - Electrostatic Precipitator

FCC - Fixed Charge on Capital

FEGT - Furnace Exit Gas Temperature

FF - Fabric Filter

FGD - Flue gas Desulfurization

FLGR - Fuel Lean Gas Reburn

GR - Gas Reburn

H₂O - Water

H₂SO₃ - Sulfurous Acid

HSR - Hybrid Selective Reduction

IPPs - Independent Power Producers

kW - Kilowatt

kWh - Kilowatt hour

LAER - Lowest Achievable Emission Rate

L/G - Liquid to gas ratio

LNB - Low NO_x Burners

LNCB - Low NO_x Cell Burners

LNCFS - Low NO_x Concentric Firing System

LOI - Loss of Ignition

MMBtu - Million Btu

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MWe - Megawatt of Electrical Generation (generator gross output)

N₂ - Nitrogen

NGR - Natural Gas Reburn

NH₃ - Ammonia

NO - Nitric Oxide

NO_x - Nitrogen Oxides (NO + NO₂)

NO_xOUT® - SNCR Technology designed by Fuel-Tech N.V.

NSPS - New Source Performance Standards

NSR - New Source Review

NUG - Non-Utility Generator

O&M - Operation & Maintenance

OEM - Original Equipment Manufacturer

OFA - Over Fire Air

OLF - Operating Costs Levelization Factor

ppm - Parts per million

PRB - Powder River Basin Coal

RACT - Reasonably Available Control Technology

SCR - Selective Catalytic Reduction

SNCR - Selective Non-Catalytic Reduction

SOFA - Separated Overfire Air

SO₂ - Sulfur Dioxide

SO₃ - Sulfur Trioxide

SO_x - Sulfur Oxides

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TiO₂ - Titanium Dioxide

V₂O₃ - Vanadium Pentoxide

WO₃ - Tungsten Trioxide