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## ACRONYMS

Acfm	actual cubic foot per minute
ACI	Activated Carbon Injection
AERMIC	<u>A</u> MS/ <u>E</u> PA <u>R</u> egulatory <u>M</u> odel <u>I</u> mprovement <u>C</u> ommittee
AERMOD	AERMIC Model
AERMAP	pre-processor AERMOD elevation data
AERMET	pre-processor AERMOD meteorological data
AP-42	Compilation of air pollution emission factors
AQCS	Air Quality Control System
AQD	Air Quality Division
ASCPC	Advanced Supercritical Pulverized Coal
BACT	Best Available Control Technology
BPIP	Building Profile Input Program
Btu/lb	British Thermal Units per pound
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CAIR	Clean Air Interstate Rule
CAM	Compliance Assurance Monitoring
CAMR	Clean Air Mercury Rule
CAPs	Mercury Budget Permits
Ca(OH) <sub>2</sub>	Hydrated lime
CaSO <sub>3</sub>	calcium sulfite
CaSO <sub>4</sub>	calcium sulfate
CDC	Centers for Disease Control
CEMS	Continuous Emission Monitoring System
CFB	Circulating Fluid Bed
CFR	Code of Federal Regulations
CI	Compression Ignition
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide



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COMS	Continuous Opacity Monitoring System
Consumers	Consumers Energy Company
CTC	Control Technology Center
DEM	Digital Elevation Models
ECO	Electro-Catalytic Oxidation
EGU	Electrical Generating Unit
ESP	Electrostatic Precipitator
ESGU	Electrical Steam Generating Unit
FD	Forced Draft
FGD	Flue Gas Desulfurization
FGR	Flue Gas Recirculation
GAQM	USEPA's Guideline on Air Quality Models
gal	gallons
GEP	Good Engineering Practice (stack height)
g/sec	grams per second
gr/dscf	grains per dry standard cubic foot
GWh	Gigawatt hour
H <sub>2</sub> O	Water
H <sub>2</sub> S	hydrogen sulfide
H <sub>2</sub> SO <sub>4</sub>	sulfuric acid
HAP	Hazardous Air Pollutant
HC	Hydrocarbons
HCl	Hydrogen Chloride
HF	Hydrogen Fluoride
Hg	Mercury
HHRA	Human Health Risk Assessment
HHV	Higher Heating Value
HI	Hazard Index
HP	horse power
HR	Heat Release
ICE	Internal Combustion Engine
IEUBK	Integrated Exposure Uptake Biokinetic Model
ITSL	Initial Threshold Screening Level
IRSL	Initial Risk Screening Level
km	kilometer
kW	kilowatt
kWh	kilowatt hour
LAER	Lowest Achievable Emission Rate
LAI	Leaf Area Index
lb/GWh	pounds per gigawatt hour
lb/hr	pound per hour



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lb/MMBtu/hr	pounds per million British Thermal Units
lb/MWh	pounds per megawatt hour
L/G	Liquid to Gas ratio
LHV	Lower Heating Value
LNBS	Low NO <sub>x</sub> Burners
LSFO	Limestone Force Oxidation
LSIO	Limestone Inhibited Oxidation
m	meter
MACT	Maximum Achievable Control Technology
MBS	Midland/Bay City/Saginaw (MBS) International Airport
MDEQ	Michigan Department of Environmental Quality
MEL	Magnesium Enhanced Lime
MET	Actual Surface Meteorological data
MMBtu	million British Thermal Units
MMBtu/hr	million British Thermal Units per hour
MMscf	million standard cubic feet
MWh	megawatt hour
MWh	megawatts
NAAQS	National Ambient Air Quality Standards
Na <sub>2</sub> SO <sub>3</sub>	sodium sulfite
Na <sub>2</sub> SO <sub>4</sub>	sodium sulfate
NANSR	Non-Attainment New Source Review
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NH <sub>3</sub>	Ammonia
NMHC	Non Methane Hydrocarbons
NO <sub>2</sub>	Nitrogen dioxide
NO <sub>x</sub>	Nitrogen oxides
NSPS	Standards of Performance for New Stationary Sources
NSR	New Source Review
O <sub>2</sub>	Oxygen
OFA	Overfire Air
PAC	Powered Activated Carbon
Pb	Lead
PC	Pulverized Coal
PEMS	parametric monitoring system
PM	Particulate Matter
PM <sub>10</sub>	Particulate matter with mean aerodynamic diameter below 10 microns.
PM <sub>2.5</sub>	Particulate matter with mean aerodynamic diameter below 2.5 microns.
POMs	polycyclic organic matter
ppm	parts per million



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ppmw or	
ppm <sub>wet</sub>	parts per million wet
PRB	Powder River Basin
PRIME	Plume Rise Model Enhancements
PSD	Prevention of Significant Deterioration
Psig	Pound per square inch gauge
PTI	Permit to Install
RACT	Reasonably Available Control Technology
RBLC	RACT/BACT/LAER Clearing House
RfC	Reference Concentration
RfD	Reference dose
RICE	Reciprocating Internal Combustion Engine
RMP	Risk Management Plan
ROP	Renewable Operating Permit
RTO	Regenerative Thermal Oxidizer
RSC	reduce sulfur compounds
S	Sulfur
SAM	Sulfuric Acid Mist
scf	standard cubic foot
SCPC	Supercritical Pulverized Coal
SCR	Selective Catalytic Reduction
SIL	Significant Impact Level
SIP	State Implementation Plan
SNCR	Selective Non-Catalytic Reduction
SO <sub>x</sub>	Sulfur oxides
SO <sub>2</sub>	sulfur dioxide
SO <sub>3</sub>	sulfur trioxide
SRN	SRN – State Registration Number
TAC	Toxic Air Contaminant
T-BACT	Best Available Control Technology for Toxics
TDS	total dissolved solids
TRS	total reduce sulfur
TT	Transfer Tower
tpy	tons per year
UCL	Upper Confidence Level
ug/m <sub>3</sub>	micrograms per cubic meter
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UTM	Universal Transverse Mercator
VMT	vehicle miles traveled