

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: 032017-013

Project Number: 2017-01-062
Installation ID: 091-0064

Parent Company: S & S Quarries

Parent Company Address: 6005 Co. Rd. 8800, West Plains, MO 65775

Installation Name: S & S Redi Mix

Installation Address: 226 Co. Rd 8620, West Plains, MO 65775

Location Information: Howell County, S33 T24N R08W

Application for Authority to Construct was made for:
Construction of a new concrete plant. This review was conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*.

Standard Conditions (on reverse) are applicable to this permit.

Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

Prepared by
Kathy Kolb
New Source Review Unit

Director or Designee
Department of Natural Resources

MAR 23 2017

Effective Date

STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Enforcement and Compliance Section of the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Enforcement and Compliance Section of the Department's Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant source(s). The information must be made available within 30 days of actual startup. Also, you must notify the Department's regional office responsible for the area within which you are located within 15 days after the actual start up of this (these) air contaminant source(s).

A copy of the permit application and this permit and permit review shall be kept at the installation address and shall be made available to Department's personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant source(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

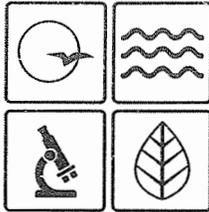
The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit using the contact information below.

Contact Information:

Missouri Department of Natural Resources
Air Pollution Control Program
P.O. Box 176
Jefferson City, MO 65102-0176
(573) 751-4817

The regional office information can be found at the following website:

<http://dnr.mo.gov/regions/>



Missouri Department of

dnr.mo.gov

NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

MAR 23 2017

Mr. Randy Adkisson
Owner
S & S Redi Mix
6005 Co. Rd. 8800
West Plains, MO 65775

RE: New Source Review Permit - Project Number: 2017-01-062

Dear Mr. Adkisson:

Enclosed with this letter is your permit to construct. Please study it carefully and refer to Appendix A for a list of common abbreviations and acronyms used in the permit. Also, note the special conditions on the accompanying pages. The document entitled, "Review of Application for Authority to Construct," is part of the permit and should be kept with this permit in your files. Operation in accordance with these conditions, your new source review permit application is necessary for continued compliance. The reverse side of your permit certificate has important information concerning standard permit conditions and your rights and obligations under the laws and regulations of the State of Missouri.

This permit may include requirements with which you may not be familiar. If you would like the department to meet with you to discuss how to understand and satisfy the requirements contained in this permit, an appointment referred to as a Compliance Assistance Visit (CAV) can be set up with you. To request a CAV, please contact your local regional office or fill out an online request. The regional office contact information can be found at the following website: <http://dnr.mo.gov/regions/>. The online CAV request can be found at <http://dnr.mo.gov/cav/compliance.htm>.

If you were adversely affected by this permit decision, you may be entitled to pursue an appeal before the administrative hearing commission pursuant to Sections 621.250 and 643.075.6 RSMo. To appeal, you must file a petition with the administrative hearing commission within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed; if it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the administrative hearing commission, whose contact information is: Administrative Hearing Commission, United States Post Office Building, 131 West High Street, Third Floor, P.O. Box 1557, Jefferson City, Missouri 65102, phone: 573-751-2422, fax: 573-751-5018, website: www.oa.mo.gov/ahc.



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Mr. Randy Adkisson
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If you have any questions, please do not hesitate to contact Kathy Kolb, at the department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or at (573) 751-4817.
Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM



Susan Heckenkamp
New Source Review Unit Chief

SH:kkj

Enclosures

c: Southeast Regional Office
PAMS File: 2017-01-062

Permit Number: 032017-013

SITE SPECIFIC SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. "Conditions required by permitting authority."

1. **Superseding Condition**
The conditions of this permit supersede Special Condition 3 found in the previously issued construction permit 122016-012 from the Air Pollution Control Program.
2. **Best Management Practices Requirement**
S & S Redi Mix shall control fugitive emissions from all of the haul roads and vehicular activity areas at this site by performing BMPs as defined in Attachment AA.
3. **Annual Emission Limit**
 - A. S & S Redi Mix and S & S Quarries (Site ID: 091-0064) shall emit less than 15.0 tons of PM₁₀ in any 12-month period from the entire installation as defined in Table 1 and Table 2 of this permit.
 - B. S & S Redi Mix and S & S Quarries (Site ID : 091-0064) shall demonstrate compliance with Special Condition 3.A using Attachment A or another equivalent form that has been approved by the Air Pollution Control Program, including an electronic form.
4. **Moisture Content Testing Requirement**
 - A. S & S Redi Mix shall verify that the moisture content of the processed rock is greater than or equal to 1.5 percent by weight.
 - B. Testing shall be conducted according to the method prescribed by the American Society for Testing Materials (ASTM) D-2216, C-566 or another method approved by the Director.
 - C. The initial test shall be conducted no later than 45 days after the start of operation. A second test shall be performed the calendar year following the initial test during the months of July or August.
 - D. The test samples shall be taken from rock that has been processed by the plant or from each source of aggregate (e.g. quarry).
 - E. The written analytical report shall include the raw data and moisture content of each sample, the test date and the original signature of the individual performing the test. The report shall be filed on-site or at the S & S Redi Mix main office within 30 days of completion of the required test.

SITE SPECIFIC SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

- F. If the moisture content of either of the two tests is less than the moisture content in Special Condition 4.A, another test may be performed within 15 days of the noncompliant test. If the results of that test is less than the moisture content in Special Condition 4.A, S & S Redi Mix shall either:
- 1) Apply for a new permit to account for the revised information, or
 - 2) Submit a plan for the installation of wet spray devices to the Compliance/Enforcement Section of the Air Pollution Control Program within 10 days of the second noncompliant test. The wet spray devices shall be installed and operational within 40 days of the second noncompliant test.
- G. In lieu of testing, S & S Redi Mix may obtain test results that demonstrate compliance with the moisture content in Special Condition 4.A from the supplier (S & S Quarries) of the aggregate.
5. Control Device Requirement-Baghouse
- A. S & S Redi Mix shall control emissions from the equipment listed below using baghouses as specified in the permit application.
- 1) Cement Silo (EP-23)
 - 2) Supplement Silo (EP-24)
 - 3) Weigh Hopper (EP-25)
 - 4) Truck Mix Loadout (shroud vented to baghouse) (EP-26)
- B. The baghouses shall be operated and maintained in accordance with the manufacturer's specifications. The baghouse shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that Department of Natural Resources' employees may easily observe them.
- C. Replacement filters for the baghouses shall be kept on hand at all times. The bags shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance).
- D. S & S Redi Mix shall monitor and record the operating pressure drop across the baghouses at least once every 24 hours while the plant is operating. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty.
- E. S & S Redi Mix shall maintain a copy of the baghouse manufacturer's performance warranty on site.

SITE SPECIFIC SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

- F. S & S Redi Mix shall maintain an operating and maintenance log for the baghouses which shall include the following:
- 1) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - 2) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.

6. Record Keeping Requirement

S & S Redi Mix shall maintain all records required by this permit for not less than five years and make them available to any Missouri Department of Natural Resources' personnel upon request.

7. Reporting Requirement

S & S Redi Mix shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than 10 days after any exceedances of the limitations imposed by this permit.

REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (6) REVIEW

Project Number: 2017-01-062
Installation ID Number: 091-0064

Permit Number: 032017-013

S & S Redi Mix:
226 Co. Rd 8620
West Plains, MO 65775

Complete: January 26, 2017

Parent Company:
S & S Quarries
6005 Co. Rd. 8800
West Plains, MO 65775

Howell County, S33 T24N R08W

PROJECT DESCRIPTION

S & S Quarries has purchased a concrete ready mix plant from 63 Redi-Mix that was formerly owned by Foresters. The new concrete plant will be known as S & S Redi Mix and located on the same property as S & S Quarries which operates a rock crushing plant at that site. The MHDR of the concrete plant is 300 tph. The plant is powered off the grid. Emissions from the cement silo (EU23), supplement silo (EU-24), weigh hopper, (EU-25), and truck loading (EU-26) are controlled.

Due to the short time period between S & S Quarries obtaining Permit 122016-012 for their rock crushing operation, this project's emissions will be combined with Permit 122016-012 and considered one project. S & S Quarries will balance production between the rock crushing operation and the concrete plant in order to maintain a de minimis limit for PM₁₀ of 15 tons per year for the entire installation.

Table 1 lists the equipment at the concrete plant. S & S Redi Mix will be obtaining the aggregate from their adjoining quarry; the 1.5% moisture content is required in Special Condition 4 in Permit 122016-012. Table 2 lists the equipment at the rock crushing plant that was previously permitted in Permit 122016-012.

Table 1: Concrete Plant Equipment List

Emission Point	Description	MHDR
EU-21	Aggregate Transfer	300 tph
EU-22	Sand Transfer	300 tph
EU-23	Cement Unloading to Silo	300 tph
EU-24	Supplement Unloading (Pneumatic)	300 tph
EU-25	Weigh Hopper	300 tph
EU-26	Truck Loading	300 tph
EU-27a	Aggregate Storage Pile	0.25 acres
EU-27b	Sand Storage Pile	0.25 acres
EU-28a	Receiving Haul Road	400 feet
EU-28b	Shipping Haul Road	400 feet

Table 2: Rock Crushing Plant Equipment List

Unit ID	Equipment	Make/Model	Capacity (tons/hour)	MFG Year
EU-01	Truck unloading		300	
EU-02	Grizzly Feeder	Eagle/1200-25cc	300	2007
EU-03	Primary Crusher	Eagle/1200-25cc	300	2007
EU-04	Conveyor (under)	Eagle/1200-25cc	300	2007
EU-05	Screen	Eagle/1200-25cc	300	2007
EU-06	Conveyor off screen	Eagle/1200-25cc	300	2007
EU-07	Conveyor off screen ^a	Eagle/1200-25cc		2007
EU-08	Screen (2006 Screening Plant)		300	
EU-09	Conveyor (2006 Screening Plant) ^a		300	
EU-10	Conveyors (3) (2006 Screening Plant)			
EU-11	Shipping Haul Road	Unpaved (500 feet)	300	
EU-12a	Storage piles Load-in		300	
EU-12b	Storage piles Load-out		300	
EU-12c	Storage pile vehicular activity	Unpaved (50 feet)	300	
EU-12d	Storage pile wind erosion		3 Acres	
EU-13	Engine	Detroit	375 HP	2007

^aEmissions were calculated such that 100% of the product was transferred off of each screen across one conveyor

The applicant is using one of the methods described in Attachment AA, "Best Management Practices," to control emissions from haul roads and vehicular activity areas.

This installation is located in Howell County, an attainment area for all criteria pollutants.

This installation is not on the List of Named Installations found in 10 CSR 10-6.020(3)(B), Table 2. The installation's major source level is 250 tons per year and fugitive emissions are not counted toward major source applicability.

TABLES

The following permits have been issued to the parent company of S & S Quarries from the Air Pollution Control Program.

Table 3: Permit History

Permit Number	Description
122016-012	Rock Crusher

Table 4 summarizes the emissions of this project. The potential emissions of the process equipment, which excluded emissions from haul roads and wind erosion, are specific to this site. The existing actual emissions are not available for this site since the permit for the rock crushing equipment at the quarry was issued in December 2016. The potential emissions of the application represent the emissions of all equipment and activities assuming continuous operation (8760 hours per year). The conditioned potential emissions include emissions from sources that will limit their production to ensure compliance with the annual emission limit. Conditioned potential emissions account for a voluntary annual PM₁₀ emission limit of 15.0 tons per year in order to avoid refined modeling according to 10 CSR 10-6.060 (6)(B)3.

Table 4: Emissions Summary (tons per year)

Air Pollutant	De Minimis Level/ SMAL	^a Potential Emissions of Process Equipment	Existing Actual Emissions (2016 EIQ)	^b Potential Emissions of the Application	Conditioned Potential Emissions for Concrete Plant	Conditioned Potential Emission for Rock Crusher Permit 122016-012	^c Combined Emissions for Rock Crusher and Concrete Plants
PM	25.0	10.02	N/D	59.12	41.70	38.29	41.70
PM ₁₀	15.0	4.50	N/D	21.26	<15.0	<15.0	<15.0
PM _{2.5}	10.0	1.96	N/D	5.65	3.98	2.90	3.98
SO _x	40.0	N/A	N/D	N/A	N/A	0.01	0.01
NO _x	40.0	N/A	N/D	N/A	N/A	8.00	8.00
VOC	40.0	N/A	N/D	N/A	N/A	2.99	2.99
CO	100.0	N/A	N/D	N/A	N/A	7.00	7.00
GHG (CO ₂ e)	75,000	N/A	N/D	N/A	N/A	1,365.35	1,365.35
GHG (mass)	0.0 / 100.0 / 250.0	N/A	N/D	N/A	N/A	1,360.77	1,360.77
Total HAPs	25.0	N/A	N/D	N/A	N/A	0.03	0.03

N/A = Not Applicable; N/D = Not Determined

^aExcluding haul roads and storage pile emissions

^bIncludes site specific haul road and storage pile emissions

^cCombined PM₁₀ emissions from both plants cannot exceed 15 tons per 12 consecutive months

EMISSIONS CALCULATIONS

Emissions for the project were calculated as described below and using emission factors found in the United States EPA document AP-42 *Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources*, Fifth Edition (AP-42).

Emissions from the concrete batch plant:

- Calculated using emission factors from AP-42 Section 11.12 "Concrete Batching," June 2006.
- This section cites Equation (1) in Section 13.2.4 "Aggregate Handling and Storage Piles," November 2006 for calculating the emissions from aggregate and sand transfer.
- The cement and supplement silos are controlled with baghouses, so the controlled emission factors were used.

Emissions from the aggregate weigh hopper:

- Calculated using AP-42 Section 13.2.4, Equation (1).
- These emissions are controlled by a baghouse so a 99% control factor was applied to the calculation.
- Emissions from mix truck loading are controlled by a shroud vented to a baghouse, so the controlled emission factor was used.

Emissions from haul roads and vehicular activity areas:

- Calculated using the predictive equation from AP-42 Section 13.2.2 "Unpaved Roads," November 2006.
- A 90% control efficiency for PM and PM₁₀ and a 74% control efficiency for PM_{2.5} were applied to the emission calculations for the use of BMPs.

Emissions from storage piles:

- Load-in and load-out of storage piles were calculated using the predictive equation from AP-42 Section 13.2.4.
- The moisture content of the aggregate is 1.5% by weight as required in Permit 122016-012.
- Emissions from wind erosion of storage piles were calculated using an equation found in the Air Pollution Control Program's Emissions Inventory Questionnaire Form 2.8 "Storage Pile Worksheet."

OPERATING SCENARIOS

S & S Redi Mix cannot operate with any other plants that have ambient impact limits based on the Air Pollution Control Program's nomographs. When another plant/portable plant is locating to this site, please refer to that plant's permit's special conditions to see if they contain ambient impact limits.

PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (6) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. The conditioned potential emissions include emissions from sources that will limit their production to ensure compliance with the annual PM₁₀ emission limit of 15.0 tons per year for stationary plants in order to avoid refined modeling according to 10 CSR 10-6.060 (6)(B)3. Potential emissions of PM are above de minimis but below major source levels. There are no modeling requirements for PM.

APPLICABLE REQUIREMENTS

S & S Redi Mix shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved.

GENERAL REQUIREMENTS

- *Submission of Emission Data, Emission Fees and Process Information*, 10 CSR 10-6.110.
- No Operating Permit is required for this installation.
- *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, 10 CSR 10-6.170
- *Restriction of Emission of Visible Air Contaminants*, 10 CSR 10-6.220
- *Restriction of Emission of Odors*, 10 CSR 10-6.165

SPECIFIC REQUIREMENTS

- None of the New Source Performance Standards (NSPS) apply to the installation.
- None of the National Emission Standards for Hazardous Air Pollutants (NESHAPS) or National Emission Standards for Hazardous Air Pollutants for Source Categories (MACTS) apply to the proposed equipment.
- *Control of Sulfur Dioxide Emissions*, 10 CSR 10-6.261

STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*, it is recommended that this permit be granted with special conditions.

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated January 26, 2017, received January 26, 2017, designating S & S Quarries as the owner and operator of the installation.

Attachment A: Annual Emissions Tracking Sheet

S & S Quarries/S & S Redi Mix

Site ID: 091-0064

Project Number: 2017-01-062

Permit Number: **032017-013**

This sheet covers the period from _____ to _____ (Copy as needed)
 (Month Day, Year) (Month Day, Year)

Month	Plant	Production (tons)	Emission Factor (lb/ton)	Monthly Emissions ¹ (lbs)	Monthly Emissions ² (tons)	Total Installation Monthly Emissions ³	12-Month Total Emissions ⁴ (tons)
<i>Example</i>	<i>Rock Crusher</i>	<i>125,000</i>	<i>0.0154</i>	<i>1,925</i>	<i>.96</i>	<i>1.57</i>	<i>14.46</i>
	<i>Concrete</i>	<i>75,000</i>	<i>0.0162</i>	<i>1,215</i>	<i>0.61</i>		
	Rock Crusher		0.0154				
	Concrete		0.0162				
	Rock Crusher		0.0154				
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¹Multiply the monthly production by the emission factor.
²Divide the monthly emissions (lbs) by 2000.
³Add the monthly emissions from both the rock crusher and the concrete plants.
⁴Add the monthly emissions (tons) to the sum of the monthly emissions from the previous eleven months. A total of less than 15.0 tons of PM₁₀ per consecutive 12 months is necessary for compliance.

Attachment AA: Best Management Practices

Haul roads and vehicular activity areas shall be maintained in accordance with at least one of the following options when the plant is operating.

1. Pavement
 - A. The operator shall pave the area with materials such as asphalt, concrete or other materials approved by the Air Pollution Control Program. The pavement will be applied in accordance with industry standards to achieve control of fugitive emissions while the plant is operating.
 - B. Maintenance and repair of the road surface will be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator shall periodically wash or otherwise clean all of the paved portions of the haul roads as necessary to achieve control of fugitive emissions from these areas while the plant is operating.

2. Application of Chemical Dust Suppressants
 - A. The operator shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to unpaved areas.
 - B. The quantities of the chemical dust suppressant shall be applied and maintained in accordance with the manufacturer's recommendation (if available) and in sufficient quantities to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator shall record the time, date and the amount of material applied for each application of the chemical dust suppressant agent on the above areas. The operator shall keep these records with the plant for not less than five (5) years and make these records available to Department of Natural Resources' personnel upon request.

3. Application of Water-Documented Daily
 - A. The operator shall apply water to unpaved areas. Water shall be applied at a rate of 100 gallons per day per 1,000 square feet of unpaved or untreated surface area while the plant is operating.
 - B. Precipitation may be substituted for watering if the precipitation is greater than one quarter of one inch and is sufficient to control fugitive emissions.
 - C. Watering may also be suspended when the ground is frozen, during periods of freezing conditions when watering would be inadvisable for traffic safety reasons, or when there will be no traffic on the roads.
 - D. The operator shall record the date, volume of water application and total surface area of active haul roads or the amount of precipitation that day. The operators shall also record the rationale for not watering (e.g. freezing conditions or not operating).
 - E. The operator shall keep these records with the plant for not less than five (5) years, and the operator shall make these records available to Department of Natural Resources' personnel upon request.

APPENDIX A

Abbreviations and Acronyms

%	percent	MMBtu	Million British thermal units
°F	degrees Fahrenheit	MMCF	million cubic feet
acfm	actual cubic feet per minute	MSDS	Material Safety Data Sheet
BACT	Best Available Control Technology	NAAQS ...	National Ambient Air Quality Standards
BMPs	Best Management Practices	NESHAPs ..	National Emissions Standards for Hazardous Air Pollutants
Btu	British thermal unit	NO_x	nitrogen oxides
CAM	Compliance Assurance Monitoring	NSPS	New Source Performance Standards
CAS	Chemical Abstracts Service	NSR	New Source Review
CEMS	Continuous Emission Monitor System	PM	particulate matter
CFR	Code of Federal Regulations	PM_{2.5}	particulate matter less than 2.5 microns in aerodynamic diameter
CO	carbon monoxide	PM₁₀	particulate matter less than 10 microns in aerodynamic diameter
CO₂	carbon dioxide	ppm	parts per million
CO_{2e}	carbon dioxide equivalent	PSD	Prevention of Significant Deterioration
COMS	Continuous Opacity Monitoring System	PTE	potential to emit
CSR	Code of State Regulations	RACT	Reasonable Available Control Technology
dscf	dry standard cubic feet	RAL	Risk Assessment Level
EIQ	Emission Inventory Questionnaire	SCC	Source Classification Code
EP	Emission Point	scfm	standard cubic feet per minute
EPA	Environmental Protection Agency	SDS	Safety Data Sheet
EU	Emission Unit	SIC	Standard Industrial Classification
fps	feet per second	SIP	State Implementation Plan
ft	feet	SMAL	Screening Model Action Levels
GACT	Generally Available Control Technology	SO_x	sulfur oxides
GHG	Greenhouse Gas	SO₂	sulfur dioxide
gpm	gallons per minute	tph	tons per hour
gr	grains	tpy	tons per year
GWP	Global Warming Potential	VMT	vehicle miles traveled
HAP	Hazardous Air Pollutant	VOC	Volatile Organic Compound
hr	hour		
hp	horsepower		
lb	pound		
lbs/hr	pounds per hour		
MACT	Maximum Achievable Control Technology		
µg/m³	micrograms per cubic meter		
m/s	meters per second		
Mgal	1,000 gallons		
MW	megawatt		
MHDR	maximum hourly design rate		