



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: 02 2017 - 001

Project Number: 2016-11-015
Installation ID: 023-0074

Parent Company: Cane Creek Quarry, LLC

Parent Company Address: 2179 County Road 321, Popular Bluff, MO 63901

Installation Name: Cane Creek Stone, Inc.

Installation Address: 2179 County Road 321, Popular Bluff, MO 63901

Location Information: Butler County, S36 T24N R5E

Application for Authority to Construct was made for:
Installation of an additional crusher Eagle 400 Impactor, 2-deck screen, associated conveyors and engines. 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

FEB 01 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/>

022017-001

GENERAL 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 all special conditions found in the previously issued construction permit 042015-003 from the Air Pollution Control Program.
2. **Best Management Practices Requirement**
Cane Creek Stone, Inc. 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. Cane Creek Stone, Inc. shall emit less than 15.0 tons of PM₁₀ in any 12-month period from the entire installation (See Table 1 for Equipment List for the entire installation.)
 - B. Cane Creek Stone, Inc. 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. Cane Creek Stone, Inc. 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 Cane Creek Stone, Inc. main office within 30 days of completion of the required test.

GENERAL 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, Cane Creek Stone, Inc. 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, Cane Creek Stone, Inc. may obtain test results that demonstrate compliance with the moisture content in Special Condition 4.A from the supplier of the aggregate.
5. **Primary Equipment Requirement**
Cane Creek Stone, Inc. shall process all rock through the primary crusher (EU-03). Bypassing the primary crusher is prohibited.
6. **Fuel Requirement-Engine(s)**
- A. Cane Creek Stone, Inc. shall burn exclusively ultra low sulfur diesel fuel in its engines (EP-8) with a sulfur content less than or equal to 15 parts per million by weight (0.0015 percent by weight).
 - B. Cane Creek Stone, Inc. shall demonstrate compliance with Special Condition 6.A by obtaining records of the fuel's sulfur content from the vendor for each shipment of fuel received or by testing each shipment of fuel for the sulfur content in accordance with the method described in 10 CSR 10-6.040 Reference Methods.
7. **Diesel Engine Operational Restrictions**
The rock-crushing plant shall not operate its diesel engine(s) for any purpose other than warming up before production (not to exceed two hours) and powering equipment production.
8. **Record Keeping Requirement**
Cane Creek Stone, Inc. 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.
9. **Reporting Requirement**
Cane Creek Stone, Inc. 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: 2016-11-015
Installation ID Number: 023-0074
Permit Number:

022017-001

Cane Creek Stone, Inc.
2179 County Road 321
Popular Bluff, MO 63901

Complete: December 9, 2016

Parent Company:
Cane Creek Quarry, LLC
2179 County Road 321
Popular Bluff, MO 63901

Butler County, S36 T24N R5E

PROJECT DESCRIPTION

Cane Creek Stone is an existing limestone quarry operation located at 2179 County Road 321 near Poplar Bluff in Butler County, Missouri. The existing quarry operation was originally permitted with the Air Pollution Control Program in 2015 (Permit #042015-003). The engine emissions were not included at that time because the engines were classified as non-road engines. Cane Creek Stone has requested to now include in this permit an existing engine (2015 John Deere 500 HP Tier 3) and a genset 2013 CAT S/N N4R00340 (PIN # CAT00C44CD4DO02772) as well as a new Eagle 400 Impactor (tertiary crusher, EU-15), a 2-deck screen (EU-18), associated conveyors, and a 2005 John Deere 215 HP engine. The Kleeman Jaw Crusher is designated as the primary crusher (EU-03) with a MHDR of 279 tons per hour.

Shot rock will initially be crushed by the Kleeman Jaw Crusher (primary crusher EU-03) and then crushed aggregate is hauled approximately 500 feet to the Eagle 1400 Impactor (secondary crusher EU-07). 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. Combined stock piles will cover 1 acre

Cane Creek Stone will take a facility wide de minimis PM₁₀ limit of 15 tons per year that will include all of the equipment at this site as listed in Table1.

Table 1: Equipment List for the entire installation (Site ID:023-0074)

Unit ID	Equipment	Make/Model	Capacity (tons/ hour)	MFG Year
EU-01	Truck unloading		279	
EU-02	Grizzly Feeder		279	
EU-03	Primary Crusher	Kleeman Jaw Crusher	279	
EU-04	Underconveyor		279	
EU-05	Truck unloading from primary crusher		279	
EU-06	Grizzly		279	
EU-07	Secondary Crusher	Eagle 1400 Impactor	279	2015
EU-08	Under conveyor from secondary crusher		279	
EU-09	Conveyor to 3-deck screen		279	
EU-10	3-deck screen		279	
EU-11	Side conveyor from 3-deck screen ^a		0	
EU-12	Side conveyor from 3-deck screen		0	
EU-13	Side conveyor from 3-deck screen		0	
EU-14	Conveyor to Eagle 400		279	
EU-15	Tertiary Crusher (new)	Eagle 400 Impactor	279	
EU-16	Underconveyor from Eagle 400 (new)		279	
EU-17	Conveyor to 2 deck screen (new)		279	
EU-18	2 deck screen (new)		279	
EU-19	Side Conveyor from 2 deck screen (new) ^a		279	
EU-20	Side Conveyor from 2 deck screen (new)		0	
EU-21	Side Conveyor from 2 deck screen (new)		0	
EU-22	CAT Genset	Catepillar	100 kw(e)	2003
EU-23	John Deere Engine	John Deere	500 HP	2015
EU-24	John Deere Engine (new)	John Deere	215 HP	2005
EU-25a	Stockpile load-in		279	
EU-25b	Stockpile load-out		279	
EU-25c	Stockpile vehicular activity		100 ft	
EU-25d	Stockpile wind erosion		1 acre	
EU-26	Haul road from Kleeman		500 ft	
EU-27	Shipping haul road		500 ft	

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

This installation is located in Butler 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 Cane Creek Stone, Inc. from the Air Pollution Control Program.

Table 2: Permit History

Permit Number	Description
042015-003	Rock Quarry

The Table 3 below summarizes the emissions of this project. The potential emissions of the process equipment exclude emissions from haul roads and wind erosion. There are no existing actual emissions because this facility was originally permitted in 2015 and has not operated a full calendar year. 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 for the entire facility in order to avoid refined modeling according to 10 CSR 10-6.060 (6)(B)3.

Table 3: Emissions Summary (tons per year)

Air Pollutant	De Minimis Level/SMAL	^a Potential Emissions of Process Equipment (tons/yr)	Existing Actual Emissions (2015 EIQ)	^b Potential Emissions of the Application	Conditioned Potential Emissions
PM	25.0	12.96	N/D	63.74	39.10
PM ₁₀	15.0	5.53	N/D	24.45	<15.00
PM _{2.5}	10.0	1.43	N/D	5.23	3.21
SO _x	40.0	0.05	N/D	0.05	0.03
NO _x	40.0	18.06	N/D	18.06	11.08
VOC	40.0	5.90	N/D	5.90	3.62
CO	100.0	23.10	N/D	23.10	14.17
GHG (CO ₂ e)	75,000 / 100,000	4,843.67	N/D	4,843.67	2,971.39
GHG (mass)	0.0 / 100.0 / 250.0	4,827.43	N/D	4,827.43	2,961.43
Total HAPs	25.0	0.11	N/D	0.11	0.07

N/D = Not Determined

^aPotential Emissions of Process Equipment (tons/yr)

^bIncludes haul road and storage pile emissions

EMISSIONS CALCULATIONS

Emissions for the project were calculated 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 rock-crushing equipment were calculated using emission factors from AP-42 Section 11.19.2 "Crushed Stone Processing and Pulverized Mineral Processing," August 2004. The controlled emission factors were used because the inherent moisture content of the crushed rock is greater than 1.5 % by weight.

Emissions from the diesel engines were calculated using emission factors from AP-42 Section 3.3 Gasoline and Diesel Industrial Engines," October 1996 and Section 3.4 "Large Stationary Diesel and All Stationary Dual-fuel Engines," October 1996 for VOC, HAPs, and PM condensable. PM filterable, NOx, and CO emissions were calculated using emission factors from 40 CFR 89 (Tier 1-3) and 40 CFR 1039 (Tier 4). SO₂ emissions were calculated using a mass balance equation. Greenhouse gasses were calculated using equations form 40 CFR 98, Tables C-1 & C-2, November 29, 2013.

Emissions from haul roads and vehicular activity areas were 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 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. 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."

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

Cane Creek Stone, Inc. 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

- *Operating Permits*, 10 CSR 10-6.065, the operating permit is required as NSPS OOO applies. Typically, submittal of a Basic operating permit application is required within 30 days after a construction permit is issued. However, there is a proposed rulemaking to remove the requirement to obtain a Basic operating permit for de minimis installations if the only criteria triggering the operating permit is NSPS

applicability. Contact the Air Pollution Control Program's Operating Permit Unit for an update prior to submitting an application.

- *Start-Up, Shutdown, and Malfunction Conditions*, 10 CSR 10-6.050
- *Submission of Emission Data, Emission Fees and Process Information*, 10 CSR 10-6.110.
- *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

- 40 CFR 60 Subpart OOO, "Standards of Performance for Nonmetallic Mineral Processing Plants" applies to the equipment.
- 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
- 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary reciprocating Internal Combustion Engines

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 November 2, 2016, received November 7, 2016, designating Cane Creek Quarry, LLC as the owner and operator of the installation.

Attachment A: PM₁₀ Annual Emissions Tracking Sheet
 Cane Creek Stone, Inc. 023-0074
 Project Number: 2016-11-015
 Permit Number:

022017-001

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

Month	Production (tons)	Emission Factor (lb/ton)	Monthly Emissions ¹ (lbs)	Monthly Emissions ² (tons)	12-Month Total Emissions ³ (tons)
<i>Example</i>	<i>125,000</i>	<i>0.0200</i>	<i>2,500</i>	<i>1.25</i>	<i>13.75</i>
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¹Multiply the monthly production by the emission factor.
²Divide the monthly emissions (lbs) by 2000.
³Add the monthly emissions (tons) to the sum of the monthly emissions from the previous eleven months. A total of less than 15.0 of PM₁₀ 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		

NOTICE: This spreadsheet is for your use only and should be used with caution. MoDNR does not guarantee the accuracy of the information it contains. This spreadsheet is subject to continual revision and updating. It is your responsibility to be aware of the most current, accurate and complete information available. MoDNR is not responsible for errors or omissions in this spreadsheet. Submittal of the information contained in this spreadsheet (workbook) does not relieve the responsible official of the certification statement signed on the first page of the application.

For Single Plant Operation

Hours per day	24.0
Days per year	223.9
Hours per year	5373.9

For Multiple Plant Operation

Hours per day	24.0
Days per year	223.9
Hours per year	5373.9

Pollutant	Justification for Limit
PM10	De Minimis

Pollutant	Potential Emissions of Process Equipment (tons/yr)	Potential Emissions including fugitives (tons/yr)	Allowable Emissions for 5374 hours per year (tons/yr)	Deminimis Thresholds	Plant-wide Composite Emission Factor (lb/ton)
PM	12.96	63.74	39.10	25	0.0522
PM ₁₀	5.53	24.45	15.00	15	0.0200
PM _{2.5}	1.43	5.23	3.21	10	0.0043
SO ₂	0.05	0.05	0.03	40	0.0000
NO ₂	18.06	18.06	11.08	40	0.0148
VOC	5.90	5.90	3.62	40	0.0048
CO	23.10	23.10	14.17	100	0.0189
CH ₂ O	0.03	0.03	0.02	2.00	0.0000
Pb	-	-	-	0.01	0.0000
HAPs	0.11	0.11	0.07	10	0.0001
CO ₂	4,827.20	4,827.20	2,961.29	100	3.9502
N ₂ O	0.04	0.04	0.02	100	0.0000
CH ₄	0.19	0.19	0.12	100	0.0002
GHG _{mass}	4,827.43	4,827.43	2,961.43	100	3.9504
CO ₂ eq	4,843.67	4,843.67	2,971.39	100,000	3.9637

Limit Hours per Year
Limit Hours per Year w/ 24 hr day

Maximum hourly design rate (tons/hr)	279
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Tons of product per day	6,696.0
Tons of product per year	1,499,317.1



Eric R. Greitens, Governor • Carol S. Comer, Acting Director

DEPARTMENT OF NATURAL RESOURCES

dnr.mo.gov

FEB 01 2017

Mr. Chris Williams
Owner
Cane Creek Stone, Inc.
2179 County Road 321
Popular Bluff, MO 63901

RE: New Source Review Permit - Project Number: 2016-11-015

Dear Mr. Williams:

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 and with your amended operating permit 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. Chris Williams
Page Two

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: 2016-11-015

Permit Number: **022017-001**