

**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: **052018-004**

Project Number: 2018-05-001  
Installation ID: PORT-0778

Parent Company: Richard J. Mertens, Inc.

Parent Company Address: P.O. Box 448, Warrenton, MO 63383

Installation Name: Richard J. Mertens, Inc.

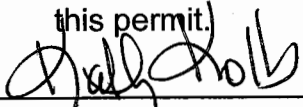
Installation Address: 104 Big Spring Quarry Road, New Florence, MO 63363

Location Information: Montgomery County, S16/17, T47N, R5W

Application for Authority to Construct was made for:  
Portable generic rock crusher 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

**MAY 16 2018**

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/>

**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. **Generic Plant Designation and Maximum Combined Hourly Design Rate**  
 Richard J. Mertens, Inc. has been designated to be a Generic Plant Operation. The combined MHDR each of the following generic equipment types shall not exceed the rates and numbers listed in Table 1.

Table 1: Generic Equipment

Equipment Type	MHDR	Maximum Number of Units
Primary Unit(s) (Primary Crusher)	500 tons per hour	1
Feeder/Grizzly	500 tons per hour	1
Crusher(s) including primary crusher	1,000 tons per hour	2
Conveyor(s), Stacker(s)	2,500 tons per hour	15
Screen(s)	1,000 tons per hour	2

2. **Generic Plant Equipment Identification Requirement**
  - A. Richard J. Mertens, Inc. shall submit the following information to the Air Pollution Control Program's Permitting Section and the St. Louis Regional Office (SLRO) within 15 days of actual startup.
    - 1) A master list of all equipment that will be permitted for use with the generic plant. This master list shall include at minimum the following information for each piece of equipment:
      - a) Manufacturer's name
      - b) Model number
      - c) Serial number
      - d) Actual MHDR
      - e) Date of manufacture
      - f) Any other additional information that is necessary to uniquely identify the equipment.
    - 2) A list of the core equipment that will always be utilized with the generic plant. The core equipment associated with the generic plant shall include at least one primary unit that controls the rate of the process flow (e.g., a primary crusher or primary screen).
    - 3) A determination of the applicability of 40 CFR Part 60, Subpart OOO, "Standards of Performance for Nonmetallic Mineral Processing Plants" for each piece of equipment indicating whether each piece of equipment is subject to Subpart OOO and justification for this determination.
    - 4) Richard J. Mertens, Inc. shall notify the Air Pollution Control Program's Permitting Section and the SLRO when new equipment is added to the

**GENERAL SPECIAL CONDITIONS:**

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

master list and when core equipment is changed within 30 days of the change.

- B. Richard J. Mertens, Inc. shall maintain a list of the specific equipment currently being utilized with the generic plant. Any arrangement of the generic plant's equipment must be such that the core equipment is not bypassed in the process flow.

3. **Equipment Identification Requirement**

Richard J. Mertens, Inc. shall maintain easily read permanent markings on each component of the plant. These markings shall be the equipment's serial number or a company assigned identification number that uniquely identifies the individual component.

4. **Relocation of Portable Rock Crushing Plant**

- A. Richard J. Mertens, Inc. shall not be operated at any location longer than 24 consecutive months except if the Site Specific Special Conditions of this portable plant, PORT-0778, contain a nonroad engine requirement limiting the portable plant at the site specific location to 12 consecutive months.

- B. A complete "Portable Source Relocation Request" application must be submitted to the Air Pollution Control Program prior to any relocation of this portable rock crushing plant.

- 1) If the portable rock crushing plant is moving to a site previously permitted, and if the circumstances at the site have not changed, then the application must be received by the Air Pollution Control Program at least seven days prior to the relocation.
- 2) If the portable rock crushing plant is moving to a new site, or if circumstances at the site have changed (e.g. the site was only permitted for solitary operation and now another plant is located at the site), then the application must be received by the Air Pollution Control Program at least 21 days prior to the relocation. The application must include written notification of any concurrently operating plants.

5. **Record Keeping Requirement**

Richard J. Mertens, Inc. shall maintain all records required by this permit for not less than five years and shall make them available to any Missouri Department of Natural Resources' personnel upon request.

6. **Reporting Requirement**

Richard J. Mertens, Inc. shall report to the Air Pollution Control Program's Compliance/Enforcement Section by mail at P.O. Box 176, Jefferson City, MO 65102 or by e-mail at [AirComplianceReporting@dnr.mo.gov](mailto:AirComplianceReporting@dnr.mo.gov), no later than 10 days after any exceedances of the limitations imposed by this permit.

**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."*

PORT ID Number: PORT-0778

Site Name: Big Spring Quarry

Site Address: 104 Big Spring Quarry Road, New Florence, MO 63363

Site County: Montgomery S16/17, T47N, R5W

1. **Best Management Practices Requirement**  
Richard J. Mertens, 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.
2. **Annual Emission Limit**
  - A. Richard J. Mertens, Inc. shall emit less than 15.0 tons of PM<sub>10</sub> in any 12-month period from the entire installation which consists of the equipment listed in Table 1. The SSM emissions as reported to the Air Pollution Control Program's Compliance/Enforcement Section in accordance with the requirements of 10 CSR 10-6.050 *Start-Up, Shutdown, and Malfunction Conditions* shall be included in the limit.
  - B. Richard J. Mertens, Inc. shall demonstrate compliance with Special Condition 2.A using Attachment A or another equivalent form that has been approved by the Air Pollution Control Program, including an electronic form.
3. **Primary Equipment Requirement**  
Richard J. Mertens, Inc. shall process all rock through the primary crusher (EU-02). Bypassing the primary crusher is prohibited.
4. **Nonroad Engine Requirement**  
Richard J. Mertens, Inc.'s engine shall not remain at one location within this site longer than 12 consecutive months in order for the engine to meet the definition of a nonroad engine as stated in 40 CFR 89.2. These engines shall be moved with its associated equipment at least once every 12 consecutive months at this site.
5. **Record Keeping Requirement**  
Richard J. Mertens, 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.

**SITE SPECIFIC SPECIAL CONDITIONS:**

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

6. Reporting Requirement

Richard J. Mertens, Inc. shall report to the Air Pollution Control Program's Compliance/ Enforcement Section by mail to P.O. Box 176, Jefferson City, MO 65102 or by email at [AirComplianceReporting@dnr.mo.gov](mailto:AirComplianceReporting@dnr.mo.gov), 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: 2018-05-001  
Installation ID Number: PORT-0778

Permit Number: 052018-004

Richard J. Mertens, Inc.:  
104 Big Spring Quarry Road  
New Florence, MO 63363

Complete: May 1, 2018

Parent Company:  
Richard J. Mertens, Inc.  
P.O. Box 448  
Warrenton, MO 63383

Montgomery County, S16/17, T47N, R5W

PROJECT DESCRIPTION

Richard J. Mertens, Inc. is applying for a generic portable crushing plant with a MHDR of 500 tons per hour. The generic portable plant will consist of a primary and secondary crusher, two screens, grizzly, and 15 associated conveyors. It will be located at Big Spring Quarry near New Florence, Missouri in Montgomery County.

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.

The diesel engine that will be used with this portable plant meets the definition of non-road engine as defined in 40 CFR 89.2 (1)(i). Therefore, the emissions of the engine were not included. Although a portable plant is allowed to operate at a site for 24 consecutive months, the diesel engine is only allowed to operate at this site for 12 consecutive months in order for the diesel engine to be classified as a non-road engine. This installation is located in Montgomery County, an attainment area for all criteria pollutants.

This installation is not on the List of Named Installations [10 CSR 10-6.020(3)(B), Table 2].

No permits for PORT-0778 have been issued to Richard J. Mertens, Inc. from the Air Pollution Control Program.

## TABLES

The table below summarizes the emissions of this project. The potential emissions of the process equipment, which excluded emissions from haul roads and wind erosion, are not site specific and should not vary from site to site. There are no existing actual emissions because this is a new portable plant. The potential emissions of the application represent the emissions of all equipment and activities assuming continuous operation (8760 hours per year). Conditioned potential emissions account for the voluntary PM<sub>10</sub> annual emission limit to avoid dispersion modeling requirements found in 10 CSR-6.060 Section (6).

Table 2: Emissions Summary (tons per year) for EE Quarry in Richmond, MO

Air Pollutant	De Minimis Level/SMAL	<sup>a</sup> Potential Emissions from Process Equipment	Existing Actual Emissions	<sup>b</sup> Potential Emissions of the Application	Conditioned Potential Emissions
PM	25.0	112.57	N/A	286.59	38.17
PM <sub>10</sub>	15.0	41.17	N/A	112.64	<15.0
PM <sub>2.5</sub>	10.0	7.03	N/A	19.78	2.63
SO <sub>x</sub>	40.0	N/A	N/A	N/A	N/A
NO <sub>x</sub>	40.0	N/A	N/A	N/A	N/A
VOC	40.0	N/A	N/A	N/A	N/A
CO	100.0	N/A	N/A	N/A	N/A
GHG (CO <sub>2</sub> e)	75,000	N/A	N/A	N/A	N/A
GHG (mass)	0.0 / 100.0 / 250.0	N/A	N/A	N/A	N/A
Total HAPs	25.0	N/A	N/A	N/A	N/A

N/A = Not Applicable;

<sup>a</sup>Excludes site specific haul road and storage pile emissions

<sup>b</sup>Includes site specific haul road and storage pile emissions

## 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 rock-crushing equipment:

- Calculated using emission factors from AP-42 Section 11.19.2 "Crushed Stone Processing and Pulverized Mineral Processing," August 2004.
- The uncontrolled emission factors were used because the inherent moisture content of the crushed rock is less than 1.5 % by weight.

Emissions from aggregate handling:

- Calculated using emission factors from AP-42 Section 11.19.2 "Crushed Stone Processing and Pulverized Mineral Processing," August 2004.
- The uncontrolled emission factors were used because the inherent moisture content of the crushed rock is less than 1.5% by weight.



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 PM<sub>10</sub> and a 74% control efficiency for PM<sub>2.5</sub> 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 0.7% 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*. Potential emissions of PM<sub>10</sub> are conditioned below de minimis levels. Potential emissions of PM are above de minimis levels but remain below major levels.

#### APPLICABLE REQUIREMENTS

Richard J. Mertens, 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

- *Submission of Emission Data, Emission Fees and Process Information*, 10 CSR 10-6.110.
- *Operating Permits*, 10 CSR 10-6.065 does not apply because this is a portable plant.
- *Start-Up, Shutdown, and Malfunction Conditions*, 10 CSR 10-6.050
- *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.
- 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.

### 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 May 1, 2018, received May 1, 2018, designating Richard J. Mertens, Inc. as the owner and operator of the installation.



## 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 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 years, and the operator shall make these records available to Department of Natural Resources' personnel upon request.

## APPENDIX A

### Abbreviations and Acronyms

<b>%</b> .....	percent	<b>MMBtu</b> ...	Million British thermal units
<b>°F</b> .....	degrees Fahrenheit	<b>MMCF</b> .....	million cubic feet
<b>acfm</b> .....	actual cubic feet per minute	<b>MSDS</b> .....	Material Safety Data Sheet
<b>BACT</b> .....	Best Available Control Technology	<b>NAAQS</b> ..	National Ambient Air Quality Standards
<b>BMPs</b> .....	Best Management Practices	<b>NESHAPs</b> ..	National Emissions Standards for Hazardous Air Pollutants
<b>Btu</b> .....	British thermal unit	<b>NO<sub>x</sub></b> .....	nitrogen oxides
<b>CAM</b> .....	Compliance Assurance Monitoring	<b>NSPS</b> .....	New Source Performance Standards
<b>CAS</b> .....	Chemical Abstracts Service	<b>NSR</b> .....	New Source Review
<b>CEMS</b> .....	Continuous Emission Monitor System	<b>PM</b> .....	particulate matter
<b>CFR</b> .....	Code of Federal Regulations	<b>PM<sub>2.5</sub></b> .....	particulate matter less than 2.5 microns in aerodynamic diameter
<b>CO</b> .....	carbon monoxide	<b>PM<sub>10</sub></b> .....	particulate matter less than 10 microns in aerodynamic diameter
<b>CO<sub>2</sub></b> .....	carbon dioxide	<b>ppm</b> .....	parts per million
<b>CO<sub>2e</sub></b> .....	carbon dioxide equivalent	<b>PSD</b> .....	Prevention of Significant Deterioration
<b>COMS</b> .....	Continuous Opacity Monitoring System	<b>PTE</b> .....	potential to emit
<b>CSR</b> .....	Code of State Regulations	<b>RACT</b> .....	Reasonable Available Control Technology
<b>dscf</b> .....	dry standard cubic feet	<b>RAL</b> .....	Risk Assessment Level
<b>EIQ</b> .....	Emission Inventory Questionnaire	<b>SCC</b> .....	Source Classification Code
<b>EP</b> .....	Emission Point	<b>scfm</b> .....	standard cubic feet per minute
<b>EPA</b> .....	Environmental Protection Agency	<b>SDS</b> .....	Safety Data Sheet
<b>EU</b> .....	Emission Unit	<b>SIC</b> .....	Standard Industrial Classification
<b>fps</b> .....	feet per second	<b>SIP</b> .....	State Implementation Plan
<b>ft</b> .....	feet	<b>SMAL</b> .....	Screening Model Action Levels
<b>GACT</b> .....	Generally Available Control Technology	<b>SO<sub>x</sub></b> .....	sulfur oxides
<b>GHG</b> .....	Greenhouse Gas	<b>SO<sub>2</sub></b> .....	sulfur dioxide
<b>gpm</b> .....	gallons per minute	<b>SSM</b> .....	startup, shutdown, & malfunction
<b>gr</b> .....	grains	<b>tph</b> .....	tons per hour
<b>GWP</b> .....	Global Warming Potential	<b>tpy</b> .....	tons per year
<b>HAP</b> .....	Hazardous Air Pollutant	<b>VMT</b> .....	vehicle miles traveled
<b>hr</b> .....	hour	<b>VOC</b> .....	Volatile Organic Compound
<b>hp</b> .....	horsepower		
<b>lb</b> .....	pound		
<b>lbs/hr</b> .....	pounds per hour		
<b>MACT</b> .....	Maximum Achievable Control Technology		
<b>µg/m<sup>3</sup></b> .....	micrograms per cubic meter		
<b>m/s</b> .....	meters per second		
<b>Mgal</b> .....	1,000 gallons		
<b>MW</b> .....	megawatt		
<b>MHDR</b> .....	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	48.6
Hours per year	1166.6

**For Multiple Plant Operation**

Hours per day	24.0
Days per year	48.6
Hours per year	1166.6

Pollutant	Justification for Limit
PM10	De Minimis

Pollutant	Potential Emissions of Process Equipment (tons/yr)	Potential Emissions including fugitives (tons/yr)	Allowable Emissions for 1167 hours per year (tons/yr)	De minimis Thresholds	Plant-wide Composite Emission Factor (lb/ton)
PM	112.57	286.59	38.17	25	0.1309
PM <sub>10</sub>	41.17	112.64	15.00	15	0.0514
PM <sub>2.5</sub>	7.03	19.78	2.63	10	0.0090
SO <sub>2</sub>	-	-		40	0.0000
NO <sub>2</sub>	-	-		40	0.0000
VOC	-	-		40	0.0000
CO	-	-		100	0.0000
CH <sub>2</sub> O	-	-		2.00	0.0000
Pb	-	-		0.01	0.0000
HAPs	-	-		10	0.0000
CO <sub>2</sub>	-	-		100	0.0000
N <sub>2</sub> O	-	-		100	0.0000
CH <sub>4</sub>	-	-		100	0.0000
GHG <sub>mass</sub>	-	-		100	0.0000
CO <sub>2</sub> eq	-	-		100,000	0.0000

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

Maximum hourly design rate (tons/hr)	500
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Tons of product per day	12,000.0
Tons of product per year	583,290.7

Emission Point Number	Emission Unit Number	Description	SCC	Maximum Hourly	Units of Measure	Control Device Number	Control Type	Capture Efficiency (%)	Control Efficiency (%)	Pollutant	Emission Factor	Emission Factor (lbs/LookM)	Emission Rate (lb/hr)	Potential Emissions (ton/yr)	Allowable Emissions (ton/yr)
								N/A	N/A	PM <sub>10</sub>		VMT			
								N/A	N/A	PM <sub>2.5</sub>		VMT			
		Road #3			VMT per hour			N/A	N/A	PM <sub>10</sub>		VMT			
								N/A	N/A	PM <sub>2.5</sub>		VMT			
		Road #4			VMT per hour			N/A	N/A	PM <sub>10</sub>		VMT			
								N/A	N/A	PM <sub>2.5</sub>		VMT			
		Road #5			VMT per hour			N/A	N/A	PM <sub>10</sub>		VMT			
								N/A	N/A	PM <sub>2.5</sub>		VMT			
		Road #6			VMT per hour			N/A	N/A	PM <sub>10</sub>		VMT			
								N/A	N/A	PM <sub>2.5</sub>		VMT			

Equipment	Unit ID	Description of Unit	Equipment Description/SCC	Heat Rate	Unit per hour	Emission Factor (lbs/LookM)
		Combustion #1				
				mmbtu		100% N/A PM <sub>10</sub>
				mgal		100% N/A PM <sub>2.5</sub>
				mmsacf		100% N/A SO <sub>2</sub>
						100% N/A NO <sub>2</sub>
						100% N/A VOC
						100% N/A CO
						100% N/A CH <sub>4</sub> O
						100% N/A Pb
						100% N/A HAPs
						100% N/A CO <sub>2</sub>
						100% N/A NO <sub>x</sub>
						100% N/A GHG <sub>equiv</sub>
						100% N/A CH <sub>4</sub>
		Combustion #2				
				mmbtu		100% N/A PM <sub>10</sub>
				mgal		100% N/A PM <sub>2.5</sub>
				mmsacf		100% N/A SO <sub>2</sub>
						100% N/A NO <sub>2</sub>
						100% N/A VOC
						100% N/A CO
						100% N/A CH <sub>4</sub> O
						100% N/A Pb
						100% N/A HAPs
						100% N/A CO <sub>2</sub>
						100% N/A NO <sub>x</sub>
						100% N/A GHG <sub>equiv</sub>
						100% N/A CH <sub>4</sub>
		Combustion #3				
				mmbtu		100% N/A PM <sub>10</sub>
				mgal		100% N/A PM <sub>2.5</sub>
				mmsacf		100% N/A SO <sub>2</sub>
						100% N/A NO <sub>2</sub>
						100% N/A VOC
						100% N/A CO
						100% N/A CH <sub>4</sub> O
						100% N/A Pb
						100% N/A HAPs
						100% N/A CO <sub>2</sub>
						100% N/A NO <sub>x</sub>
						100% N/A GHG <sub>equiv</sub>
						100% N/A CH <sub>4</sub>

Equipment Operational Status	Emission Unit Number	Description of Unit	Equipment/SCC Description	MHTP	Units	Equip Type	Control Type	Emission Factor (lbs/LookM)
E	EP-01	loading into crusher/grizzly	Truck Unloading - Fragmented Stone EP-30502031	500.00	Tons	Fugitive	No Control	100% 0.00% PM <sub>10</sub> 0.000032 100% 0.00% PM <sub>2.5</sub> 0.000018 100% 0.00% PM <sub>2.5</sub> 0.000009
	EP-02	primary crusher	Crusher-Primary, (Diameter 3-12") 30502001	500.00	Tons	Process	No Control	100% 0.00% PM <sub>10</sub> 0.0024 100% 0.00% PM <sub>2.5</sub> 0.000444444
E	EP-03	16 conveyors	Conveyor 30502006	2500.00	Tons	Process	No Control	100% 0.00% PM <sub>10</sub> 0.0003 100% 0.00% PM <sub>2.5</sub> 0.0011 100% 0.00% PM <sub>2.5</sub> 0.00031087
E	EP-04	Secondary Crusher	Screens, (3/16" or Greater) 30502002	500.00	Tons	Process	No Control	100% 0.00% PM <sub>10</sub> 0.025 100% 0.00% PM <sub>2.5</sub> 0.0087 100% 0.00% PM <sub>2.5</sub> 0.000687658
E	EP-05	2 Primary screening units	Conveyor 30502006	1000.00	Tons	Process	No Control	100% 0.00% PM <sub>10</sub> 0.0003 100% 0.00% PM <sub>2.5</sub> 0.0011 100% 0.00% PM <sub>2.5</sub> 0.00031087

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	48.6
Hours per year	1166.6

**For Multiple Plant Operation**

Hours per day	24.0
Days per year	48.6
Hours per year	1166.6

Pollutant	Justification for Limit
PM10	De Minimis

Pollutant	Potential Emissions of Process Equipment (tons/yr)	Potential Emissions including fugitives (tons/yr)	Allowable Emissions for 1167 hours per year (tons/yr)	De minimis Thresholds	Plant-wide Composite Emission Factor (lb/ton)
PM	112.57	286.59	38.17	25	0.1309
PM <sub>10</sub>	41.17	112.64	15.00	15	0.0514
PM <sub>2.5</sub>	7.03	19.78	2.63	10	0.0090
SO <sub>2</sub>	-	-	-	40	0.0000
NO <sub>2</sub>	-	-	-	40	0.0000
VOC	-	-	-	40	0.0000
CO	-	-	-	100	0.0000
CH <sub>2</sub> O	-	-	-	2.00	0.0000
Pb	-	-	-	0.01	0.0000
HAPs	-	-	-	10	0.0000
CO <sub>2</sub>	-	-	-	100	0.0000
N <sub>2</sub> O	-	-	-	100	0.0000
CH <sub>4</sub>	-	-	-	100	0.0000
GHG <sub>mass</sub>	-	-	-	100	0.0000
CO <sub>2</sub> eq	-	-	-	100,000	0.0000

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

Maximum hourly design rate (tons/hr)	500
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Tons of product per day	12,000.0
Tons of product per year	583,290.7



Emission Point Number	Emission Unit Number	Description	SCC	Maximum Hourly	Units of Measure	Control Device Number	Control Type	Capture Efficiency (%)	Control Efficiency (%)	Pollutant	Emission Factor	Emission Factor (lbs/LM)	Emission Rate (t/hr)	Potential Emissions (ton/yr)	Allowable Emissions (ton/yr)
		EngSet#1 Model Year			bhp gallons per hour MMBtu/hour kW-hr			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>2.5</sub> SO <sub>2</sub> NO <sub>2</sub> CO VOC CH <sub>4</sub> HAPs CO <sub>2</sub> N <sub>2</sub> O GHG <sub>100yr</sub> CH <sub>4</sub>	mmBtu mmBtu Gallon mmBtu mmBtu mmBtu mmBtu mmBtu mmBtu mmBtu mmBtu				
		EngSet#2 Model Year			bhp gallons per hour MMBtu/hour kW-hr			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>2.5</sub> SO <sub>2</sub> NO <sub>2</sub> CO VOC CH <sub>4</sub> HAPs CO <sub>2</sub> N <sub>2</sub> O GHG <sub>100yr</sub> CH <sub>4</sub>	mmBtu mmBtu Gallon mmBtu mmBtu mmBtu mmBtu mmBtu mmBtu mmBtu mmBtu				
		EngSet#3 Model Year			bhp gallons per hour MMBtu/hour kW-hr			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>2.5</sub> SO <sub>2</sub> NO <sub>2</sub> CO VOC CH <sub>4</sub> HAPs CO <sub>2</sub> N <sub>2</sub> O GHG <sub>100yr</sub> CH <sub>4</sub>	mmBtu mmBtu Gallon mmBtu mmBtu mmBtu mmBtu mmBtu mmBtu mmBtu mmBtu				
		Pile #1 Load in		600.00	tons per hour			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>2.5</sub>	ton ton ton ton ton ton ton ton ton ton	1.27E+01 6.00E+00 9.06E-01 1.27E+01 6.00E+00 9.06E-01 1.27E+01 6.00E+00 9.06E-01 1.27E+01	55.52 26.26 3.98 55.52 26.26 3.98 55.52 26.26 3.98 55.52	7.38 3.50 0.53 7.38 3.50 0.53 7.38 3.50 0.53 7.38	
		Pile #1 Load out		500.00	tons per hour			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>2.5</sub>	ton ton ton ton ton ton ton ton ton ton	1.27E+01 6.00E+00 9.06E-01 1.27E+01 6.00E+00 9.06E-01 1.27E+01 6.00E+00 9.06E-01 1.27E+01	55.52 26.26 3.98 55.52 26.26 3.98 55.52 26.26 3.98 55.52	7.38 3.50 0.53 7.38 3.50 0.53 7.38 3.50 0.53 7.38	
		Pile #1 Vehicular Activity		2.53	VMT per hour		Unpaved, Documented Watering	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	50% 90% 74% 50% 90% 74% 50% 90% 74% 50%	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	VMT VMT VMT VMT VMT VMT VMT VMT VMT VMT	11.6174 3.3036 0.3304 0.0016 11.6174 3.3036 0.3304 0.0016 11.6174 3.3036 0.3304 0.0016	2.83E+00 8.34E-01 2.17E-01 9.06E-01 2.83E+00 8.34E-01 2.17E-01 9.06E-01 2.83E+00 8.34E-01 2.17E-01 9.06E-01	12.85 3.65 0.85 3.98 12.85 3.65 0.85 3.98 12.85 3.65 0.85 3.98	1.71 0.48 0.13 0.53 1.71 0.48 0.13 0.53 1.71 0.48 0.13 0.53
		Pile #1 Wind Erosion		3.00	acres			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr	2.87E-01 2.87E-01 2.87E-01 2.87E-01 2.87E-01 2.87E-01 2.87E-01 2.87E-01 2.87E-01 2.87E-01	1.17 1.17 1.17 1.17 1.17 1.17 1.17 1.17 1.17 1.17	0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18 0.18		
		Pile #2 Load in			tons per hour			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	ton ton ton ton ton ton ton ton ton ton				
		Pile #2 Load out			tons per hour			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	ton ton ton ton ton ton ton ton ton ton				
		Pile #2 Vehicular Activity			VMT per hour			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	VMT VMT VMT VMT VMT VMT VMT VMT VMT VMT				
		Pile #2 Wind Erosion			acres			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr					
		Pile #3 Load in			tons per hour			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	ton ton ton ton ton ton ton ton ton ton				
		Pile #3 Load out			tons per hour			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	ton ton ton ton ton ton ton ton ton ton				
		Pile #3 Vehicular Activity			VMT per hour			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	VMT VMT VMT VMT VMT VMT VMT VMT VMT VMT				
		Pile #3 Wind Erosion			acres			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr					
		Pile #4 Load in			tons per hour			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	ton ton ton ton ton ton ton ton ton ton				
		Pile #4 Load out			tons per hour			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	ton ton ton ton ton ton ton ton ton ton				
		Pile #4 Vehicular Activity			VMT per hour			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	VMT VMT VMT VMT VMT VMT VMT VMT VMT VMT				
		Pile #4 Wind Erosion			acres			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr acre-hr					
		Road #1		10.52	VMT per hour		Unpaved, Documented Watering	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	50% 90% 74% 50% 90% 74% 50% 90% 74% 50%	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	VMT VMT VMT VMT VMT VMT VMT VMT VMT VMT	10.3629 3.0556 0.3056 10.3629 3.0556 0.3056 10.3629 3.0556 0.3056 10.3629	1.09E+01 3.22E+00 8.38E-01 1.09E+01 3.22E+00 8.38E-01 1.09E+01 3.22E+00 8.38E-01 1.09E+01	47.71 14.06 3.96 47.71 14.06 3.96 47.71 14.06 3.96 47.71	6.33 1.89 0.49 6.33 1.89 0.49 6.33 1.89 0.49 6.33
		Road #2			VMT per hour			N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	50% 90% 74% 50% 90% 74% 50% 90% 74% 50%	PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub> PM <sub>10</sub> PM <sub>2.5</sub> PM <sub>10</sub>	VMT VMT VMT VMT VMT VMT VMT VMT VMT VMT				

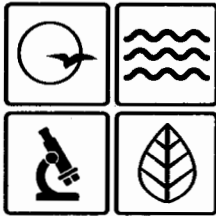
Emission Point Number	Emission Unit Number	Description	SCC	Maximum Hourly	Units of Measure	Control Device Number	Control Type	Capture Efficiency (%)	Control Efficiency (%)	Pollutant	Emission Factor	Emission Factor (lbs/UOM)	Emission Rate (t/hr)	Potential Emissions (ton/yr)	Allowable Emissions (ton/yr)
		Road #3			VMT per hour			N/A	N/A	PM <sub>10</sub>		VMT			
		Road #4			VMT per hour			N/A	N/A	PM <sub>10</sub>		VMT			
		Road #5			VMT per hour			N/A	N/A	PM <sub>10</sub>		VMT			
		Road #6			VMT per hour			N/A	N/A	PM <sub>10</sub>		VMT			

Equipment	Unit ID	Description of Unit	Equipment Description/SCC	Heat Rate	UOM per hour	Control Efficiency (%)	Control Efficiency (%)	Pollutant	Emission Factor	Emission Factor (lbs/UOM)	Emission Rate (t/hr)	Potential Emissions (ton/yr)	Allowable Emissions (ton/yr)
		Combustion #1			mmBtu	100%	N/A	PM		mgal			
		Combustion #2			mmBtu	100%	N/A	PM		mgal			
		Combustion #3			mmBtu	100%	N/A	PM		mgal			

Equipment Operational Status	Emission Unit Number	Description of Unit	Equipment/SCC Description	MHTP	Units	Equip Type	Control Type	Capture Efficiency (%)	Control Efficiency (%)	Pollutant	Emission Factor	Emission Factor (lbs/UOM)	Emission Rate (t/hr)	Potential Emissions (ton/yr)	Allowable Emissions (ton/yr)
E	EP-01	loading into crusher/grizzly	Truck Unloading - Fragmented Stone EP 30502031	800.00	Tons	Fugitive	No Control	100%	0.00%	PM	0.000032	Tons	1.80E-02	7.01E-02	0.33E-03
	EP-02	primary crusher	Crusher-Primary, (Diameter 3-12') 30502001	800.00	Tons	Fugitive	No Control	100%	0.00%	PM <sub>10</sub>	0.000016	Tons	8.00E-03	3.50E-02	4.87E-03
	EP-03	15 conveyors	Conveyor 30502006	2500.00	Tons	Process	No Control	100%	0.00%	PM <sub>10</sub>	0.000006	Tons	4.00E-03	1.75E-02	2.33E-03
	EP-04	Secondary Crusher	Screens, (3/16" or Greater) 30502002	800.00	Tons	Process	No Control	100%	0.00%	PM	0.0054	Tons	2.70E+00	1.18E+01	1.87E+00
	EP-05	2 Primary screening units	Conveyor 30502006	1000.00	Tons	Process	No Control	100%	0.00%	PM <sub>10</sub>	0.00044444	Tons	2.22E+00	9.73E+00	1.50E+01







Missouri Department of dnr.mo.gov

# NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

**MAY 16 2018**

Mr. Jack Mertens  
Vice President  
Richard J. Mertens, Inc.  
P.O. Box 448  
Warrenton, MO 63383

RE: New Source Review - Permit Number:  
Project Number: 2018-05-001; Installation Number: PORT-0778

Dear Mr. Mertens:

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. In addition, please note that Richard J. Mertens, Inc. cannot operate with any other plants that have ambient impact limits based on the Air Pollution Control Program's nomographs. Please refer to the permits of any plant that you are operating with to see if their respective permits contain an ambient impact limit. 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](http://www.oa.mo.gov/ahc).

Mr. Jack Mertens  
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: St. Louis Regional Office  
PAMS File: 2018-05-001

Permit Number: 052018-004