

**MARYLAND DEPARTMENT OF THE ENVIRONMENT**

**AIR AND RADIATION ADMINISTRATION  
APPLICATION FOR A PERMIT TO CONSTRUCT**

**DOCKET #12-24**

COMPANY: Bluegrass Materials Company, LLC dba Martin Marietta Materials, Inc.

LOCATION: Pinesburg Quarry, 14932 Bottom Road, Williamsport, Maryland 21795

APPLICATION: Modification of the existing 1100 ton per hour limestone crushing and screening plant with the addition of one (1) 500 ton per hour trommel powered by a diesel engine rated at 129 horsepower and one (1) 600 ton per hour conveyor powered by a diesel engine rated at 67 horsepower.

| <u>ITEM</u> | <u>DESCRIPTION</u>  |
|-------------|---|
| 1           | Notice of Application and Opportunity to Request an Informational Meeting   |
| 2           | Environmental Justice (EJ) Information - EJ Fact Sheet  |
| 3           | Permit to Construct Application Forms – Form 5 Application Form, Form 5T Summary for meeting ambient and T-BACT requirements, Form 5EP Emissions Data, process flow diagram, emission calculations, and safety data sheet, and MDE Score and Screening Report |
| 4           | Evidence of Zoning Approval.  |

**DEPARTMENT OF THE ENVIRONMENT  
AIR AND RADIATION ADMINISTRATION**

**NOTICE OF APPLICATION AND  
OPPORTUNITY TO REQUEST AN INFORMATIONAL MEETING**

The Maryland Department of the Environment, Air and Radiation Administration (ARA) received a permit-to-construct application from Bluegrass Materials Company, LLC dba Martin Marietta Materials, Inc. on September 17, 2024, for the modification of their existing 1,100 ton per hour limestone crushing and screening plant with the addition of one (1) 500 ton per hour trommel powered by a diesel engine rated at 129 horsepower and one (1) 600 ton per hour conveyor powered by a diesel engine rated at 67 horsepower. The proposed modification will be located at 14932 Bottom Road, Williamsport, Maryland 21795.

In accordance with HB 1200/Ch. 588 of 2022, the applicant provided an environmental justice (EJ) Score for the census tract in which the project is located using the MDE EJ Screening Tool. The EJ Score, expressed as a statewide percentile, was shown to be 58 which the Department has verified. This score considers three demographic indicators, minority population above 50%, poverty rate above 25% and limited English proficiency above 15%, to identify underserved communities. Multiple environmental health indicators are used to identify overburdened communities.

Copies of the application, the MDE EJ Screening Tool Report (which includes the score), and other supporting documents are available for public inspection on the Department's website at <https://mde.maryland.gov/programs/Permits/AirManagementPermits/Pages/index.aspx> (click on Docket Number #12-24). Any applicant-provided information regarding a description of the environmental and socioeconomic indicators contributing to that EJ score can also be found at the listed website. Such information has not yet been reviewed by the Department. A review of the submitted information will be conducted when the Department undertakes its technical review of all documents included in the application.

Pursuant to the Environment Article, Section 1-603, Annotated Code of Maryland, the Department will hold an informational meeting to discuss the application and the permit review process if the Department receives a written request for a meeting within 10 working days from the date of the second publication of this notice. A requested informational meeting will be held virtually using teleconference or internet-based conferencing technology unless a specific request for an in-person informational meeting is received. All requests for an informational meeting should be directed to the attention of Ms. Shannon Heafey, Air Quality Permits Program by email to [shannon.heafey@maryland.gov](mailto:shannon.heafey@maryland.gov) or by mail to the Air and Radiation Administration, 1800 Washington Boulevard, Baltimore, Maryland 21230.

Further information may be obtained by calling Ms. Shannon Heafey at 410-537-4433.

Christopher R. Hoagland, Director  
Air and Radiation Administration



# The Applicant's Guide to Environmental Justice and Permitting

## What You Need to Know

This fact sheet is designed to provide guidance to applicants on incorporating environmental justice screening requirements pursuant to House Bill 1200, effective October 1, 2022.

### What is Environmental Justice?

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The concept behind the term environmental justice (EJ) is that regardless of race, color, national origin, or income, all Maryland residents and communities should have an equal opportunity to enjoy an enhanced quality of life. How to assess whether equal protection is being applied is the challenge.

Communities surrounded by a disproportionate number of polluting facilities puts residents at a higher risk for health problems from environmental exposures. It is important that residents who may be adversely affected by a proposed source be aware of the current environmental issues in their community in order to have meaningful involvement in the permitting process. Resources may be available from government and private entities to ensure that community health is not negatively impacted by a new source located in the community.

Extensive research has documented that health disparities exist between demographic groups in the United States, such as differences in mortality and morbidity associated with factors that include race/ethnicity, income, and educational attainment. House Bill 1200 adds to MDE's work incorporating diversity, equity and inclusion into our mission to help overburdened and underserved communities with environmental issues.

### What is House Bill 1200 and what does it require?

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Effective October 1, 2022, House Bill 1200 requires a person applying for a permit from the Department under §1-601 of the Environment Article of the Annotated Code of Maryland or any permit requiring public notice and participation to include in the application an EJ Score for the census tract where the applicant is seeking the permit; requiring the Department, on receiving a certain permit application to review the EJ Score; and requiring notices to include information related to EJ Scores and generally relating to environmental permits and environmental justice screenings.

### What is a "Maryland EJ Tool"?

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The term "Maryland EJ Tool" means a publicly available state mapping tool that allows users to: (1) explore layers of environmental justice concern; (2) determine an overall EJ score for census tracts in the state; and (3) view additional context layers relevant to an area. The MDE EJ Screening Tool is considered a Maryland EJ Tool.

### What is an "EJ Score"?

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The term "EJ Score" means an overall evaluation of an area's environment and environmental justice indicators, as defined by MDE in regulation, including: (1) pollution burden exposure; (2) pollution burden environmental effects; (3) sensitive populations; and (4) socioeconomic factors.

The MDE EJ Screening Tool considers three demographic indicators, minority population above 50%, poverty rate above 25% and limited English proficiency above 15%, to identify underserved communities, and multiple environmental health indicators to identify overburdened communities. The tool uses these indicators to calculate a



# The Applicant's Guide to Environmental Justice and Permitting

## What You Need to Know

Final EJ Score Percentile, statewide. It is that score, linked to the census tract where the project is to be located, that needs to be reported to MDE as part of your permit application.

### What does the application require?

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The link for the MDE EJ Screening Tool is located on the Department's website, [www.mde.maryland.gov](http://www.mde.maryland.gov). Click on the Environmental Justice header at the top of the Department's home page, then select EJ Screening Tool from the menu on the left. Click on Launch the EJ Screening Tool. After you open the tool, click okay on the opening screen. At the top right, please click the first button for the MDE Screening Report. Input the address of the proposed installation in the address bar. Click on the Report button. Once the report has been generated select the print icon and save it in a .pdf format.

The applicant needs to include the MDE Screening Report with the EJ Score from the MDE EJ Screening Tool as part of the permit application upon submission. An application will not be considered complete without the report.

The applicant is encouraged to provide the Department with a discussion about the environmental exposures in the community. This will provide pertinent information about how the applicant should proceed with engaging with the community. Residents of a community with a high indicator score and a high degree of environmental exposure should be afforded broader opportunities to participate in the permit process and understand the impacts a project seeking permit approval may have on them.

### Questions

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For air quality permits, please call 410-537-3230.

For water permits, please call 410-537-4145.

For land permits pertaining to Solid Waste, please call 410-537-3098. For land permits pertaining to Oil Control, please call 410-537-3483.

For land permits pertaining to Animal Feeding Operations, please call 410-537-4423.

For land permits pertaining to Biosolids, please call 410-537-3403.



Whitney D. McGuigan  
Environmental Engineer | Environmental Services  
East Division

April 9, 2024

Maryland Department of the Environment  
Air and Radiation Management Administration, Air Quality Permits Program  
1800 Washington Boulevard  
Baltimore, MD 21230  
Attn: Dennis Borie

Sent via email to [MDE.Submit-AirPermits@maryland.gov](mailto:MDE.Submit-AirPermits@maryland.gov), [Dennis.Borie@maryland.gov](mailto:Dennis.Borie@maryland.gov)

Dear Mr. Borie:

Please find enclosed a *Permit to Construct Application*, in addition to all necessary supporting information, for one (1) 500 tph M515 MDS Portable Trommel powered by a CAT4.4 engine rated 129 horsepower and one (1) 600 tph TC 624 Telestack Tracked Conveyor powered by a CAT C2.2 engine rated 67 horsepower to operate along with the limestone crushing and screening plant (ARMA Registration Number 043-0115).

This application package contains the following information:

- Application Checklist
- Form 5, Form 5EP, & Form 5T
- Process Flow Diagram & Equipment List
- Material Balance Data & Emissions Calculations
- Safety Data Sheet (SDS) for limestone aggregate material
- Certificate of Insurance Liability (evidence of Workman's Compensation Insurance)
- EJ Report

If you have any questions or concerns regarding any part of this application, please do not hesitate to contact me. Thank you in advance for your assistance with this application.

Sincerely,

A handwritten signature in black ink that reads "Whitney D. McGuigan".

Whitney D. McGuigan  
Environmental Engineer

# FORM 5



## AIR QUALITY PERMIT TO CONSTRUCT APPLICATION CHECKLIST

| OWNER OF EQUIPMENT/PROCESS                      |  |
|---|--|
| COMPANY NAME:                                   |  |
| COMPANY ADDRESS:                                |  |
| LOCATION OF EQUIPMENT/PROCESS                   |  |
| PREMISES NAME:                                  |  |
| PREMISES ADDRESS:                               |  |
| CONTACT INFORMATION FOR THIS PERMIT APPLICATION |  |
| CONTACT NAME:                                   |  |
| JOB TITLE:                                      |  |
| PHONE NUMBER:                                   |  |
| EMAIL ADDRESS:                                  |  |
| DESCRIPTION OF EQUIPMENT OR PROCESS             |  |
|   |  |

Application is hereby made to the Department of the Environment for a Permit to Construct for the following equipment or process as required by the State of Maryland Air Quality Regulation, COMAR 26.11.02.09.

Check each item that you have submitted as part of your application package.

- Application package cover letter describing the proposed project
- Complete application forms (Note the number of forms included or NA if not applicable.)
 

|                    |                   |
|--------------------|-------------------|
| No. _____ Form 5   | No. _____ Form 11 |
| No. _____ Form 5T  | No. _____ Form 41 |
| No. _____ Form 5EP | No. _____ Form 42 |
| No. _____ Form 6   | No. _____ Form 44 |
| No. _____ Form 10  |                   |
- Vendor/manufacturer specifications/guarantees (Example specifications provided, flexible permit)
- Evidence of Workman's Compensation Insurance
- Process flow diagrams with emission points
- Site plan including the location of the proposed source and property boundary (portable)
- Material balance data and all emissions calculations
- Material Safety Data Sheets (MSDS) or equivalent information for materials processed and manufactured.
- Certificate of Public Convenience and Necessity (CPCN) waiver documentation from the Public Service Commission <sup>(1)</sup>
- Documentation that the proposed installation complies with local zoning and land use requirements <sup>(2)</sup>

<sup>(1)</sup> Required for emergency and non-emergency generators installed on or after October 1, 2001 and rated at 2001 kW or more.

<sup>(2)</sup> Required for applications subject to Expanded Public Participation Requirements.

**APPLICATION FOR FUEL BURNING EQUIPMENT**

**Information Regarding Public Outreach**

For Air Quality Permit to Construct applications subject to public review, applicants should consider the following information in the initial stages of preparing a permit application.

If you are not sure at the time you are applying for a permit whether public review of your application is required or for information on steps you can take to engage the surrounding community where your planned project will be located, please contact the Air Quality Permits Program at 410-537-3225 and seek their advice.

Communicating and engaging the local community as early as possible in your planning and development process is an important aspect of your project and should be considered a priority. Environmental Justice or "EJ" is a movement to inform, involve, and engage communities impacted by potential and planned environmental projects by affording citizens opportunities to learn about projects and discuss any concerns regarding impacts.

Although some permit applications are subject to a formal public review process prescribed by statute, the Department strongly encourages you to engage neighboring communities separate from and well ahead of the formal permitting process. Sharing your plans by way of community meetings, informational outreach at local gatherings or through local faith-based organizations can initiate a rewarding and productive dialogue that will reduce anxiety and establish a permanent link with your neighbors in the community.

All parties benefit when there is good communication. The Department can assist applicants in developing an outreach plan that fits the needs of both the company and the public.



**MARYLAND DEPARTMENT OF THE ENVIRONMENT**

1800 Washington Blvd ▪ Baltimore, Maryland 21230  
(410) 537-3230 ▪ 1-800-633-6101 ▪ www.mde.state.md.us

**Air and Radiation Management Administration ▪ Air Quality Permits Program**

**APPLICATION FOR PROCESSING/MANUFACTURING EQUIPMENT**

Permit to Construct

Registration Update

Initial Registration

**1A. Owner of Equipment/Company Name**

**Mailing Address**

233 Stevenson Road

Street Address

North East MD 21901

City State

Zip

**Telephone Number**

(443 ) 877-2535

**Signature**

*Ronald M. Kopplin*

Ronald M. Kopplin, President - East Division

Print Name and Title

**DO NOT WRITE IN THIS BLOCK**

**2. REGISTRATION NUMBER**

County No.

Premises No.

|  |  |
|--|--|
|  |  |
|--|--|

|  |  |  |  |
|--|--|--|--|
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1-2

3-6

Registration Class

Equipment No.

|  |
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7

8-11

Data Year

|  |  |
|--|--|
|  |  |
|--|--|

12-13

Application Date

10/4/24

Date

**1B. Equipment Location and Telephone Number (if different from above)**

14932 Bottom Road

Street Number and Street Name

Williamsport MD 21795 (443 ) 877-2535

City/Town State Zip Telephone Number

Pinesburg Quarry

Premises Name (if different from above)

**3. Status (A= New, B= Modification to Existing Equipment, C= Existing Equipment)**

|                          |                                   |                                       |                                       |
|--------------------------|-----------------------------------|---------------------------------------|---------------------------------------|
| Status                   | New Construction<br>Begun (MM/YY) | New Construction<br>Completed (MM/YY) | Existing Initial<br>Operation (MM/YY) |
| <input type="checkbox"/> | <input type="checkbox"/>          | <input type="checkbox"/>              | <input type="checkbox"/>              |
| 15                       | 16-19                             | 20-23                                 | 20-23                                 |

*\*ASAP upon issuance of construction permit*

**4. Describe this Equipment: Make, Model, Features, Manufacturer (include Maximum Hourly Input Rate, etc.)**

One (1) M515 MDS Portable Trommel rated 500 tph and one (1) TC 624 Telestack Tracked Conveyor rated 600 tph

**5. Workmen's Compensation Coverage** See attached COI

Binder/Policy Number

Expiration Date

Company

NOTE: Before a Permit to Construct may be issued by the Department, the applicant must provide the Department with proof of worker's compensation coverage as required under Section 1-202 of the Worker's Compensation Act.

**6A. Number of Pieces of Identical Equipment Units to be Registered/Permitted at this Time** \_\_\_\_\_

**6B. Number of Stack/Emission Points Associated with this Equipment** \_\_\_\_\_

### 7. Person Installing this Equipment (if different from Number 1 on Page 1)

Name Same as Number 1 on Page 1 Title \_\_\_\_\_

Company \_\_\_\_\_

Mailing Address/Street \_\_\_\_\_

City/Town \_\_\_\_\_ State \_\_\_\_\_ Telephone (\_\_\_\_) \_\_\_\_\_

### 8. Major Activity, Product or Service of Company at this Location

Quarrying and processing of natural limestone to produce crushed aggregated for use in the construction industry. Material is produced by the use of crushers, screens, conveyors, and associated ancillary equipment to produce various specifications of aggregate product.

Non-Metallic Mineral Mining - Crusher & Broken Limestone (SIC 1422)

### 9. Control Devices Associated with this Equipment

None

24-0

Simple/Multiple Cyclone

24-1

Spray/Adsorb Tower

24-2

Venturi Scrubber

24-3

Carbon Adsorber

24-4

Electrostatic Precipitator

24-5

Baghouse

24-6

Thermal/Catalytic Afterburner

24-7

Dry Scrubber

24-8

Other

Describe wet suppression applied by spray nozzles

24-9

### 10. Annual Fuel Consumption for this Equipment

|                            |                      |                            |                                  |                      |                            |
|----------------------------|----------------------|----------------------------|----------------------------------|----------------------|----------------------------|
| OIL-1000 GALLONS           | SULFUR %             | GRADE                      | NATURAL GAS-1000 FT <sup>3</sup> | LP GAS-100 GALLONS   | GRADE                      |
| <input type="text"/>       | <input type="text"/> | <input type="text"/>       | <input type="text"/>             | <input type="text"/> | <input type="text"/>       |
| 26-31                      | 0.5                  | 2                          | 35-41                            | 42-45                |                            |
| COAL - TONS                | SULFUR %             | ASH%                       | WOOD-TONS                        | MOISTURE %           |                            |
| <input type="text"/>       | <input type="text"/> | <input type="text"/>       | <input type="text"/>             | <input type="text"/> |                            |
| 46-52                      | 53-55                | 56-58                      | 59-63                            | 64-65                |                            |
| OTHER FUELS                | <input type="text"/> | ANNUAL AMOUNT CONSUMED     | OTHER FUEL                       | <input type="text"/> | ANNUAL AMOUNT CONSUMED     |
| (Specify Type)             | 66-1                 | (Specify Units of Measure) | (Specify Type)                   | 66-2                 | (Specify Units of Measure) |
| 1=Coke 2=COG 3=BFG 4=Other |                      |                            |                                  |                      |                            |

### 11. Operating Schedule (for this Equipment)

|                                     |                          |                      |                      |                      |                       |                      |
|-------------------------------------|--------------------------|----------------------|----------------------|----------------------|-----------------------|----------------------|
| Continuous Operation                | Batch Process            | Hours per Batch      | Batch per Week       | Hours per Day        | Days Per Week         | Days per Year        |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/>  | <input type="text"/> |
| 67-1                                | 67-2                     | 68-69                |                      | 70-71                | 72                    | 73-75                |
| Seasonal Variation in Operation:    |                          |                      |                      |                      |                       |                      |
| No Variation                        | Winter Percent           | Spring Percent       | Summer Percent       | Fall Percent         | (Total Seasons= 100%) |                      |
| <input checked="" type="checkbox"/> | <input type="text"/>     | <input type="text"/> | <input type="text"/> | <input type="text"/> |                       |                      |
| 76                                  | 77-78                    | 79-80                | 81-82                | 83-84                |                       |                      |

**12. Equivalent Stack Information- is Exhaust through Doors, Windows, etc. Only? (Y/N)**

N

  
85

If not, then

Height Above Ground (FT)

Inside Diameter at Top

Exit Temperature (°F)

Exit Velocity (FT/SEC)

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86-88

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89-91

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92-95

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96-98

**NOTE:**

**Attach a block diagram of process/process line, indicating new equipment as reported on this form and all existing equipment, including control devices and emission points.**

**13. Input Materials (for this equipment only)**

Is any of this data to be considered confidential? N (Y or N)

|    | NAME              | CAS NO. (IF APPLICABLE) | INPUT RATE |           | UNITS    |
|----|-------------------|-------------------------|------------|-----------|----------|
|    |                   |                         | PER HOUR   | PER YEAR  |          |
| 1. | Crushed Limestone |                         | 500        | 1,500,000 | TPH tons |
| 2. |                   |                         |            |           |          |
| 3. |                   |                         |            |           |          |
| 4. |                   |                         |            |           |          |
| 5. |                   |                         |            |           |          |
| 6. |                   |                         |            |           |          |
| 7. |                   |                         |            |           |          |
| 8. |                   |                         |            |           |          |
| 9. |                   |                         |            |           |          |

**TOTAL**

**14. Output Materials (for this equipment)**

**Process/Product Stream**

|    | NAME                        | CAS NO. (IF APPLICABLE) | OUTPUT RATE |           | UNITS    |
|----|-----------------------------|-------------------------|-------------|-----------|----------|
|    |                             |                         | PER HOUR    | PER YEAR  |          |
| 1. | Crushed Limestone byproduct |                         | 500         | 1,500,000 | TPH tons |
| 2. |                             |                         |             |           |          |
| 3. |                             |                         |             |           |          |
| 4. |                             |                         |             |           |          |
| 5. |                             |                         |             |           |          |
| 6. |                             |                         |             |           |          |
| 7. |                             |                         |             |           |          |
| 8. |                             |                         |             |           |          |
| 9. |                             |                         |             |           |          |

**TOTAL**

**15. Waste Streams- Solid and Liquid**

|    | NAME                                    | CAS NO. (IF APPLICABLE) | OUTPUT RATE |          | UNITS |
|----|---|-------------------------|-------------|----------|-------|
|    |   |                         | PER HOUR    | PER YEAR |       |
| 1. | Sediment/Particulates captured in water |                         |             |          |       |
| 2. | from wet suppression/wash system. All   |                         |             |          |       |
| 3. | quantified process water managed on     |                         |             |          |       |
| 4. | site per approved mine plan and NPDES   |                         |             |          |       |
| 5. | permit. Output rate not applicable.     |                         |             |          |       |
| 6. |   |                         |             |          |       |
| 7. |   |                         |             |          |       |
| 8. |   |                         |             |          |       |
| 9. |   |                         |             |          |       |

**TOTAL**

**16. Total Stack Emissions (for this equipment only) in Pounds Per Operating Day**  
 (based on 10 hr operating day)

|   |   |   |
|---|---|---|
| Particulate Matter<br><input type="text" value="2"/> <input type="text" value="4"/> . <input type="text" value="2"/> <input type="text" value="0"/><br>99-104 | Oxides of Sulfur<br><input type="text" value="3"/> . <input type="text" value="0"/> <input type="text" value="0"/><br>105-110           | Oxides of Nitrogen<br><input type="text" value="0"/> . <input type="text" value="6"/> <input type="text" value="3"/><br>111-116 |
| Carbon Monoxide<br><input type="text" value="1"/> . <input type="text" value="4"/> <input type="text" value="8"/><br>177-122                                  | Volatile Organic Compounds<br><input type="text" value="0"/> . <input type="text" value="0"/> <input type="text" value="2"/><br>123-128 | PM-10<br><input type="text" value="5"/> . <input type="text" value="9"/> <input type="text" value="4"/><br>129-134              |

**17. Total Fugitive Emissions (for this equipment only) in Pounds Per Operating Day**

|  |  |  |
|--|--|--|
| Particulate Matter<br><input type="text" value="2"/> <input type="text" value="4"/> . <input type="text" value="2"/> <input type="text" value="0"/><br>135-139 | Oxides of Sulfur<br><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/><br>140-144           | Oxides of Nitrogen<br><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/><br>145-149 |
| Carbon Monoxide<br><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/><br>150-154  | Volatile Organic Compounds<br><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/><br>155-159 | PM-10<br><input type="text" value="5"/> . <input type="text" value="9"/> <input type="text" value="4"/><br>160-164   |

**Method Used to Determine Emissions (1= Estimate 2= Emission Factor 3= Stack Test 4= Other)**

|  |  |  |   |  |   |
|--|--|--|---|--|---|
| TSP<br><input type="text" value="N/A"/><br>165 | SOX<br><input type="text" value="2"/><br>166 | NOX<br><input type="text" value="2"/><br>167 | CO<br><input type="text" value="2"/><br>168 | VOC<br><input type="text" value="2"/><br>169 | PM10<br><input type="text" value="2"/><br>170 |
|--|--|--|---|--|---|

**AIR AND RADIATION MANAGEMENT ADMINISTRATION USE ONLY**

|  |   |  |
|--|---|--|
| <b>18. Date Rec'd. Local</b><br>_____                        | <b>Date Rec'd. State</b><br>_____               | <b>Return to Local Jurisdiction</b><br>Date _____ By _____ |
| <b>Reviewed by Local Jurisdiction</b><br>Date _____ By _____ | <b>Reviewed by State</b><br>Date _____ By _____ |  |

|                                    |   |  |  |
|------------------------------------|---|--|--|
| <b>19. Inventory Date</b><br>_____ | <b>Month/Year</b><br><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/><br>171-174 | <b>Equipment Code</b><br><input type="text"/> <input type="text"/> <input type="text"/><br>175-177 | <b>SCC Code</b><br><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/><br>178-185 |
|------------------------------------|---|--|--|

|  |   |  |  |
|--|---|--|--|
| <b>20. Annual Operating Rate</b><br><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/><br>186-192 | <b>Maximum Design Hourly Rate</b><br><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/><br>193-199 | <b>Permit to Operate Month</b><br><input type="text"/> <input type="text"/><br>200-201 | <b>Transaction Date (MM/DD/YR)</b><br><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/><br>202-207 |
|--|---|--|--|

|  |   |   |  |  |
|--|---|---|--|--|
| <b>Staff Code</b><br><input type="text"/> <input type="text"/> <input type="text"/><br>208-210   | <b>VOC Code</b><br><input type="text"/> <input type="text"/><br>211 212 | <b>SIP Code</b><br><input type="text"/> <input type="text"/><br>213 214 | <b>Regulation Code</b><br><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/><br>215-218 | <b>Confidentiality</b><br><input type="text"/><br>219                                    |
| <b>Point Description</b><br><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/><br>220-238 |   |   |  | <b>Action</b><br><input type="text"/> <input type="text"/><br>239<br>A: Add<br>C: Change |



# FORM 5T

**MARYLAND DEPARTMENT OF THE ENVIRONMENT**  
 Air and Radiation Management Administration • Air Quality Permits Program  
 1800 Washington Boulevard • Baltimore, Maryland 21230  
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**FORM 5T: Toxic Air Pollutant (TAP) Emissions Summary and Compliance Demonstration**

Applicant Name: Martin Marietta Materials, Inc.

**Step 1: Quantify premises-wide emissions of Toxic Air Pollutants (TAP) from new and existing installations in accordance with COMAR 26.11.15.04. Attach supporting documentation as necessary.**

| Toxic Air Pollutant (TAP)    | CAS Number | Class I or Class II? | Screening Levels ( $\mu\text{g}/\text{m}^3$ ) |        |        | Estimated Premises Wide Emissions of TAP |  |                                   |         |
|------------------------------|------------|----------------------|---|--------|--------|--|--|-----------------------------------|---------|
|                              |            |                      |   |        |        | Actual Total Existing TAP Emissions      | Projected TAP Emissions from Proposed Installation | Premises Wide Total TAP Emissions |         |
|                              |            |                      | 1-hour  | 8-hour | Annual | (lb/hr)                                  | (lb/hr)  | (lb/hr)                           | (lb/yr) |
| <i>ex. ethanol</i>           | 64175      | II                   | 18843   | 3769   | N/A    | 0.60                                     | 0.15   | 0.75                              | 1500    |
| <i>ex. benzene</i>           | 71432      | I                    | 80  | 16     | 0.13   | 0.5                                      | 0.75   | 1.00                              | 400     |
| SILICA, CRYSTALLINE - QUARTZ | 14808607   | NOT LISTED           |   | 0.250  |        | 0.00041                                  | $1.96 \times 10^{-6}$                              | 0.00041                           | 1.23    |
|                              |            |                      |   |        |        |  |  |                                   |         |
|                              |            |                      |   |        |        |  |  |                                   |         |
|                              |            |                      |   |        |        |  |  |                                   |         |
|                              |            |                      |   |        |        |  |  |                                   |         |

(attach additional sheets as necessary.)

**Note: Screening levels can be obtained from the Department's website (<http://www.mde.maryland.gov>) or by calling the Department.**

**Step 2: Determine which TAPs are exempt from further review. A TAP that meets either of the following Class I or Class II small quantity emitter exemptions is exempt from further TAP compliance demonstration requirements under Step 3 and Step 4.**

Class II TAP Small Quantity Emitter Exemption Requirements (COMAR 26.11.15.03B(3)(a))

A Class II TAP is exempt from Step 3 and Step 4 if the Class II TAP meets the following requirements: Premises wide emissions of the TAP shall not exceed 0.5 pounds per hour, and any applicable 1-hour or 8-hour screening level for the TAP must be greater than  $200 \mu\text{g}/\text{m}^3$ .

Class I TAP Small Quantity Emitter Exemption Requirements (COMAR 26.11.15.03B(3)(b))

A Class I TAP is exempt from Step 3 and Step 4 if the Class I TAP meets the following requirements: Premises wide emissions of the TAP shall not exceed 0.5 pounds per hour and 350 pounds per year, any applicable 1-hour or 8-hour screening level for the TAP must be greater than  $200 \mu\text{g}/\text{m}^3$ , and any applicable annual screening level for the TAP must be greater than  $1 \mu\text{g}/\text{m}^3$ .

**If a TAP meets either the Class I or Class II TAP Small Quantity Emitter Exemption Requirements, no further review under Step 3 and Step 4 are required for that specific TAP.**

## FORM 5T: Toxic Air Pollutant (TAP) Emissions Summary and Compliance Demonstration

### Step 3: Best Available Control Technology for Toxics Requirement (T-BACT, COMAR 26.11.15.05)

In the following table, list all TAP emission reduction options considered when determining T-BACT for the proposed installation. The options should be listed in order beginning with the most effective control strategy to the least effective strategy. Attach supporting documentation as necessary.

| Target Pollutants              | Emission Control Option  | % Emission Reduction | Costs    |                   | T-BACT Option Selected? (yes/no) |
|--------------------------------|--------------------------|----------------------|----------|-------------------|----------------------------------|
|                                |                          |                      | Capital  | Annual Operating  |                                  |
| <i>ex. ethanol and benzene</i> | <i>Thermal Oxidizer</i>  | 99                   | \$50,000 | \$100,000         | no                               |
| <i>ex. ethanol and benzene</i> | <i>Low VOC materials</i> | 80                   | 0        | \$100,000         | yes                              |
| CS - QUARTZ                    | WET SUPPRESSION          | 77.7 - 95.9          | TBD      | ~5,000 - \$30,000 | YES                              |
|                                |                          |                      |          |                   |                                  |
|                                |                          |                      |          |                   |                                  |
|                                |                          |                      |          |                   |                                  |

(attach additional sheets as necessary)

### Step 4: Demonstrating Compliance with the Ambient Impact Requirement (COMAR 26.11.15.06)

Each TAP not exempt in Step 2 must be individually evaluated to determine that the emissions of the TAP will not adversely impact public health. The evaluation consists of a series of increasingly non-conservative (and increasingly rigorous) tests. Once a TAP passes a test in the evaluation, no further analysis is required for that TAP. "Demonstrating Compliance with the Ambient Impact Requirement under the Toxic Air Pollutant (TAP) Regulations (COMAR 26.11.15.06)" provides guidance on conducting the evaluation. Summarize your results in the following table. Attach supporting documentation as necessary.

| Toxic Air Pollutant (TAP) | CAS Number | Screening Levels ( $\mu\text{g}/\text{m}^3$ ) |        |        | Premises Wide Total TAP Emissions |         | Allowable Emissions Rate (AER) per COMAR 26.11.16.02A |         | Off-site Concentrations per Screening Analysis ( $\mu\text{g}/\text{m}^3$ ) |        |        | Compliance Method Used? |
|---------------------------|------------|---|--------|--------|-----------------------------------|---------|---|---------|---|--------|--------|-------------------------|
|                           |            | 1-hour  | 8-hour | Annual | (lb/hr)                           | (lb/yr) | (lb/hr)   | (lb/yr) | 1-hour  | 8-hour | Annual | AER or Screen           |
| <i>ex. ethanol</i>        | 64175      | 18843   | 3769   | N/A    | 0.75                              | 1500    | 0.89  | N/A     | N/A   | N/A    | N/A    | AER                     |
| <i>ex. benzene</i>        | 71432      | 80  | 16     | 0.13   | 1.00                              | 400     | 0.04  | 36.52   | 1.5   | 1.05   | 0.12   | Screen                  |
| CS - QUARTZ               | 14808607   |   | 0.250  |        | 0.00041                           | 1.23    | 0.001   | NA      |   |        |        | NA                      |
|                           |            |   |        |        |                                   |         | (per MDE  |         |   |        |        | (not required           |
|                           |            |   |        |        |                                   |         | guidance  |         |   |        |        | when <0.001             |
|                           |            |   |        |        |                                   |         | document)   |         |   |        |        | per MDE                 |
|                           |            |   |        |        |                                   |         |   |         |   |        |        | guidance)               |

(attach additional sheets as necessary)

**If compliance with the ambient impact requirement cannot be met using the allowable emissions rate method or the screening analysis method, refined dispersion modeling techniques may be required. Please consult with the Department's Air Quality Permit Program prior to conducting dispersion modeling methods to demonstrate compliance.**

# FORM 5EP



**MARYLAND DEPARTMENT OF THE ENVIRONMENT**  
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**FORM 5EP: Emission Point Data**

**Complete one (1) Form 5EP for EACH emission point** (stack or fugitive emissions) related to the proposed installation.

Applicant Name: Martin Marietta Materials, Inc

**1. Emission Point Identification Name/Number**

List the applicant assigned name/number for this emission point and use this value on the attached required plot plan:  
PP-TR-1 and associated conveyors

**2. Emission Point Description**

Describe the emission point including all associated equipment and control devices:  
M515 Trommel and associated Telestack Conveyor

**3. Emissions Schedule for the Emission Point**

|                                   |    |  |    |
|-----------------------------------|----|--|----|
| Continuous or Intermittent (C/I)? |    | Seasonal Variation<br>Check box if none: <input type="checkbox"/> Otherwise estimate seasonal variation: |    |
| Minutes per hour:                 | 60 | Winter Percent   |    |
| Hours per day:                    | 10 | Spring Percent   | 28 |
| Days per week:                    | 5  | Summer Percent   | 36 |
| Weeks per year:                   | 50 | Fall Percent   | 36 |

**4. Emission Point Information**

|   |         |  |         |         |       |
|---|---------|--|---------|---------|-------|
| Height above ground (ft):                   | 5-40'   | Length and width dimensions<br>at top of rectangular stack (ft):     | Length: | Width:  |       |
| Height above structures (ft):               | 4-8'    |  | NA      | NA      |       |
| Exit temperature (°F):                      | ambient | Inside diameter at top of round stack (ft):                          |         | NA      |       |
| Exit velocity (ft/min):                     | NA      | Distance from emission point to nearest<br>property line (ft):       |         | +/- 740 |       |
| Exhaust gas volumetric flow rate<br>(acfm): | NA      | Building dimensions if emission<br>point is located on building (ft) | Height  | Length  | Width |

**5. Control Devices Associated with the Emission Point**

Identify each control device associated with the emission point and indicate the number of devices. **A Form 6 is also required for each control device.** If none check none:

- |   |           |  |  |
|---|-----------|--|--|
| <input type="checkbox"/> None                     |           | <input type="checkbox"/> Thermal Oxidizer          | No. _____                              |
| <input type="checkbox"/> Baghouse                 | No. _____ | <input type="checkbox"/> Regenerative              |  |
| <input type="checkbox"/> Cyclone                  | No. _____ | <input type="checkbox"/> Catalytic Oxidizer        | No. _____                              |
| <input type="checkbox"/> Elec. Precipitator (ESP) | No. _____ | <input type="checkbox"/> Nitrogen Oxides Reduction | No. _____                              |
| <input type="checkbox"/> Dust Suppression System  | No. _____ | <input type="checkbox"/> Selective                 | <input type="checkbox"/> Non-Selective |
| <input type="checkbox"/> Venturi Scrubber         | No. _____ | <input type="checkbox"/> Catalytic                 | <input type="checkbox"/> Non-Catalytic |
| <input type="checkbox"/> Spray Tower/Packed Bed   | No. _____ | <input checked="" type="checkbox"/> Other          | No. _____                              |
| <input type="checkbox"/> Carbon Adsorber          | No. _____ | Specify:   |  |
|   |           | <u>Wet Suppression</u>                             |  |
| <input type="checkbox"/> Cartridge/Canister       |           |  |  |
| <input type="checkbox"/> Regenerative             |           |  |  |

## FORM 5EP: Emission Point Data

### 6. Estimated Emissions from the Emission Point

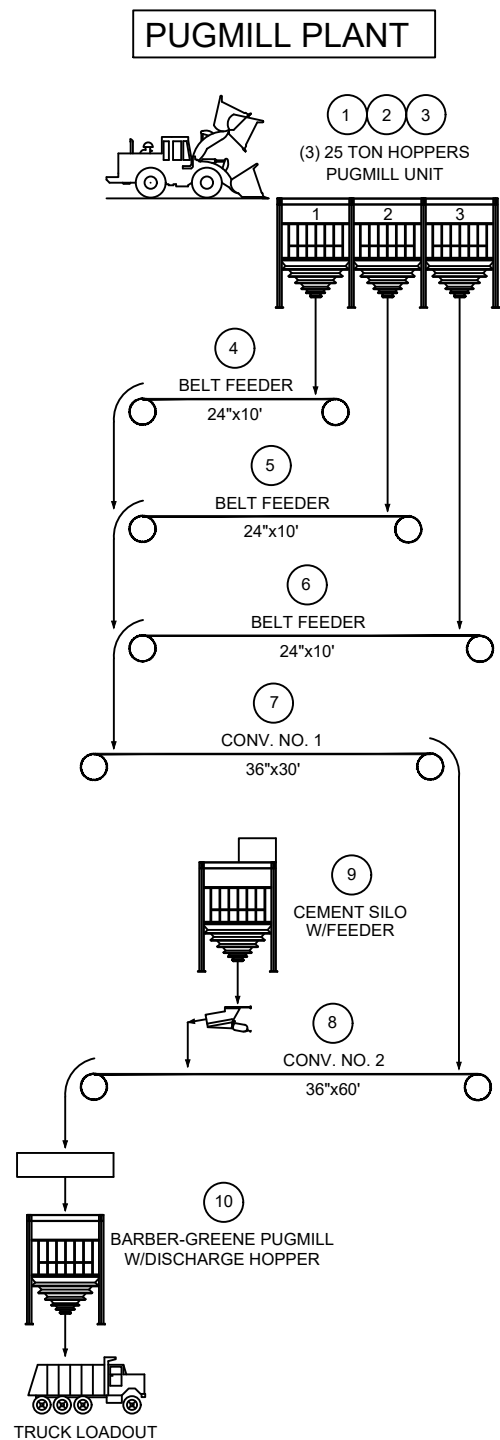
| Criteria Pollutants  | At Design Capacity<br>(lb/hr) | At Projected Operations |                         |                         |
|--|-------------------------------|-------------------------|-------------------------|-------------------------|
|  |                               | (lb/hr)                 | (lb/day)                | (ton/yr)                |
| Particulate Matter (filterable as PM10)                          | 0.59                          | 0.59                    | 5.94                    | 0.74                    |
| Particulate Matter (filterable as PM2.5)                         | 0.06                          | 0.06                    | 0.55                    | 0.07                    |
| Particulate Matter (condensables)                                | 2.42                          | 2.42                    | 24.2                    | 3.03                    |
| Volatile Organic Compounds (VOC)                                 |                               |                         |                         |                         |
| Oxides of Sulfur (SOx)   |                               |                         |                         |                         |
| Oxides of Nitrogen (NOx)   |                               |                         |                         |                         |
| Carbon Monoxide (CO)   |                               |                         |                         |                         |
| Lead (Pb)  |                               |                         |                         |                         |
| Greenhouse Gases (GHG)   | At Design Capacity<br>(lb/hr) | At Projected Operations |                         |                         |
|  |                               | (lb/hr)                 | (lb/day)                | (ton/yr)                |
| Carbon Dioxide (CO <sub>2</sub> )                                |                               |                         |                         |                         |
| Methane (CH <sub>4</sub> )                                       |                               |                         |                         |                         |
| Nitrous Oxide (N <sub>2</sub> O)                                 |                               |                         |                         |                         |
| Hydrofluorocarbons (HFCs)  |                               |                         |                         |                         |
| Perfluorocarbons (PFCs)  |                               |                         |                         |                         |
| Sulfur Hexafluoride (SF <sub>6</sub> )                           |                               |                         |                         |                         |
| Total GHG (as CO <sub>2</sub> e)                                 |                               |                         |                         |                         |
| List individual federal Hazardous Air<br>Pollutants (HAP) below: | At Design Capacity<br>(lb/hr) | At Projected Operations |                         |                         |
|  |                               | (lb/hr)                 | (lb/day)                | (ton/yr)                |
| Crystalline Silica   | 4.11 x 10 <sup>-6</sup>       | 1.96 x 10 <sup>-6</sup> | 1.96 x 10 <sup>-5</sup> | 2.93 x 10 <sup>-6</sup> |
|  |                               |                         |                         |                         |
|  |                               |                         |                         |                         |
|  |                               |                         |                         |                         |
|  |                               |                         |                         |                         |
|  |                               |                         |                         |                         |
|  |                               |                         |                         |                         |
|  |                               |                         |                         |                         |
|  |                               |                         |                         |                         |
|  |                               |                         |                         |                         |
|  |                               |                         |                         |                         |

(Attach additional sheets as necessary.)

# Process Flow Diagram & Equipment List



**PINESBURG QUARRY  
PLANT NO. 31101**



**PUGMILL PLANT**

| ITEM | DESCRIPTION                               | C/N    |
|------|---|--------|
| 1.   | HOPPER                                    | 020907 |
| 2.   | HOPPER                                    | 020907 |
| 3.   | HOPPER                                    | 020907 |
| 4.   | 24"x10' BELT FEEDER                       | 091167 |
| 5.   | 24"x10' BELT FEEDER                       | 091168 |
| 6.   | 24"x10' BELT FEEDER                       | 091169 |
| 7.   | 36"x30' CONV. NO. 1                       | 045818 |
| 8.   | 36"x60' CONV. NO. 2                       | *      |
| 9.   | CEMENT SILO W/FEEDER                      | *      |
| 10.  | BARBER -GREENE PUGMILL W/DISCHARGE HOPPER | 190319 |

| DATE     | REVISION                              | BY  |
|----------|---------------------------------------|-----|
| 09/19/14 | Revised title block and asset numbers | MSS |
| 08/27/19 | Revised title block                   | GEB |
|          |                                       |     |
|          |                                       |     |
|          |                                       |     |
|          |                                       |     |
|          |                                       |     |
|          |                                       |     |
|          |                                       |     |

|                   |  |            |
|-------------------|--|------------|
|                   | <b>Mid-Atlantic Division</b><br><b>Maryland District</b><br><small>10000 Beaver Dam Road, Cockeysville, MD 21030<br/> m. (443) 802-2769 - e. gus.buttar@martinmarietta.com</small> |            |
|                   | <b>Pinesburg Quarry</b><br><b>Pug Mill Plant Flow Diagram</b>  |            |
| Date: 08/27/2019  | Scale: Not to Scale  | Sheet No.: |
| Design by:        | Located: Washington County   | 1 of 1     |
| Drawn by: MSS/GEB | Business Unit: 31101   |            |

**TABLE 1**  
**BLUEGRASS MATERIALS - PINESBURG QUARRY**  
**Equipment List**  
**April 9, 2024**

| Plan I.D.                          | Permit Approved Equipment             | Equipment Description | TRACK UNIT | Equipment I.D. No. | Date of Manufacture |
|------------------------------------|---------------------------------------|-----------------------|------------|--------------------|---------------------|
| <b>Primary Crushers</b>            |                                       |                       |            |                    |                     |
| 2                                  | Hazemag APPH 1515 Primary Crusher     | TBD                   | TBD        | TBD                | TBD                 |
| <b>Secondary/Tertiary Crushers</b> |                                       |                       |            |                    |                     |
| 13                                 | ISC VSI Model 103 Crusher (SN103-176) | TBD                   | TBD        | TBD                | TBD                 |
| 38                                 | Double Fine Screw                     | TBD                   | TBD        | TBD                | TBD                 |
| <b>Screens</b>                     |                                       |                       |            |                    |                     |
| 9                                  | 6x20'-3D Diester Screen               | TBD                   | TBD        | TBD                | TBD                 |
| 15                                 | 7x20'-3D Diester Screen               | TBD                   | TBD        | TBD                | TBD                 |
| 18                                 | 8x20'-2D Diester Screen               | TBD                   | TBD        | TBD                | TBD                 |
| 26                                 | 8x20'-2D Diester Screen               | TBD                   | TBD        | TBD                | TBD                 |
| 37                                 | 7x16'-2D Diester Screen               | TBD                   | TBD        | TBD                | TBD                 |
| <b>Conveyors</b>                   |                                       |                       |            |                    |                     |
| 3                                  | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 4                                  | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 5                                  | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 8                                  | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 10                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 14                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 16                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 17                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 19                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 20                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 21                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 22                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 23                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 24                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 25                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 33                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 34                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 35                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 36                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 39                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 40                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 41                                 | Conveyor                              | TBD                   | TBD        | TBD                | TBD                 |
| 42                                 | Conveyor                              | TBD                   |            |                    |                     |
| <b>Engines</b>                     |                                       |                       |            |                    |                     |
| PP-TR-1                            | Diesel Engine                         | 500 TPH               | TBD        | TBD                | TBD                 |
| PP-CONV-1                          | Diesel Engine                         |                       | TBD        | TBD                | TBD                 |
| PP-CONV-2                          | Diesel Engine                         |                       | TBD        | TBD                | TBD                 |
| PP-CONV-3                          | Diesel Engine                         | 600 TPH               | TBD        | TBD                | TBD                 |
| <b>Bins / Feeders</b>              |                                       |                       |            |                    |                     |
| 1                                  | Primary Grizzly Feeder                | TBD                   | TBD        | TBD                | TBD                 |
| 6                                  | Syntron Feeder                        | TBD                   | TBD        | TBD                | TBD                 |
| 7                                  | Syntron Feeder                        | TBD                   | TBD        | TBD                | TBD                 |
| 11                                 | 125 ton Surge Bin                     | TBD                   | TBD        | TBD                | TBD                 |
| 12                                 | Syntron Feeder                        | TBD                   | TBD        | TBD                | TBD                 |
| 27                                 | 100 ton Bin                           | TBD                   | TBD        | TBD                | TBD                 |
| 28                                 | 100 ton Bin                           | TBD                   | TBD        | TBD                | TBD                 |
| 29                                 | 100 ton Bin                           | TBD                   | TBD        | TBD                | TBD                 |
| 30                                 | 100 ton Bin                           | TBD                   | TBD        | TBD                | TBD                 |
| 31                                 | Belt Feeder                           | TBD                   | TBD        | TBD                | TBD                 |
| 32                                 | Belt Feeder                           | TBD                   | TBD        | TBD                | TBD                 |
| <b>Other</b>                       |                                       |                       |            |                    |                     |
|                                    |                                       |                       |            |                    |                     |
|                                    |                                       |                       |            |                    |                     |
|                                    |                                       |                       |            |                    |                     |

# Material Balance Data & Emissions Calculations





**TABLE 3  
BLUEGRASS MATERIALS - PINESBURG QUARRY  
PM10 EMISSIONS ESTIMATE - PROCESSING PLANT EQUIPMENT**

April 9, 2024

| Plan/Permit I.D.                   | Permit Approved Equipment             | Estimated Potential Capacity (Tons/Hour) | PM 10 Factor (a)    |                       | HOURLY PM 10 EMISSIONS           |                        | ANNUAL PM 10 EMISSIONS           |                                 |                                  |                                 |
|------------------------------------|---------------------------------------|--|---------------------|-----------------------|----------------------------------|------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|
|                                    |                                       |  | Controlled (lb/Ton) | Uncontrolled (lb/Ton) | Maximum Potential Emission Rates |                        | Maximum Potential Emission Rates | Estimated Actual Emission Rates | Maximum Potential Emission Rates | Estimated Actual Emission Rates |
|                                    |                                       |  |                     |                       | Controlled (lb/Hour)             | Uncontrolled (lb/Hour) | Controlled (Tons/yr)             | Controlled (Tons/yr)            | Uncontrolled (Tons/yr)           | Uncontrolled (Tons/yr)          |
| <b>Primary Crushers</b>            |                                       |  | <b>0.000540</b>     | <b>0.002400</b>       |                                  |                        |                                  |                                 |                                  |                                 |
| 2                                  | Hazemag APPH 1515 Primary Crusher     | 600                                      | 0.000540            | 0.002400              | 0.324                            | 1.440                  | 1.419                            | 0.405                           | 6.307                            | 1.800                           |
| <b>Secondary/Tertiary Crushers</b> |                                       |  | <b>0.000540</b>     | <b>0.002400</b>       |                                  |                        |                                  |                                 |                                  |                                 |
| 13                                 | ISC VSI Model 103 Crusher (SN103-176) | 500                                      | 0.000540            | 0.002400              | 0.270                            | 1.200                  | 1.183                            | 0.338                           | 5.256                            | 1.500                           |
| 38                                 | Double Fine Screw                     | 500                                      | 0.000540            | 0.002400              | 0.270                            | 1.200                  | 1.183                            | 0.338                           | 5.256                            | 1.500                           |
| <b>Screens</b>                     |                                       |  | <b>0.000740</b>     | <b>0.008700</b>       |                                  |                        |                                  |                                 |                                  |                                 |
| 9                                  | 6x20'-3D Diester Screen               | 600                                      | 0.000740            | 0.008700              | 0.444                            | 5.220                  | 1.945                            | 0.555                           | 22.864                           | 6.525                           |
| 15                                 | 7x20'-3D Diester Screen               | 600                                      | 0.000740            | 0.008700              | 0.444                            | 5.220                  | 1.945                            | 0.555                           | 22.864                           | 6.525                           |
| 18                                 | 8x20'-2D Diester Screen               | 600                                      | 0.000740            | 0.008700              | 0.444                            | 5.220                  | 1.945                            | 0.555                           | 22.864                           | 6.525                           |
| 26                                 | 8x20'-2D Diester Screen               | 600                                      | 0.000740            | 0.008700              | 0.444                            | 5.220                  | 1.945                            | 0.555                           | 22.864                           | 6.525                           |
| 37                                 | 7x16'-2D Diester Screen               | 600                                      | 0.000740            | 0.008700              | 0.444                            | 5.220                  | 1.945                            | 0.555                           | 22.864                           | 6.525                           |
| <b>Conveyors</b>                   |                                       |  | <b>0.000046</b>     | <b>0.001100</b>       |                                  |                        |                                  |                                 |                                  |                                 |
| 3                                  | Conveyor                              | 600                                      | 0.000046            | 0.001100              | 0.028                            | 0.660                  | 0.121                            | 0.035                           | 2.891                            | 0.825                           |
| 4                                  | Conveyor                              | 300                                      | 0.000046            | 0.001100              | 0.014                            | 0.330                  | 0.060                            | 0.017                           | 1.445                            | 0.413                           |
| 5                                  | Conveyor                              | 300                                      | 0.000046            | 0.001100              | 0.014                            | 0.330                  | 0.060                            | 0.017                           | 1.445                            | 0.413                           |
| 8                                  | Conveyor                              | 300                                      | 0.000046            | 0.001100              | 0.014                            | 0.330                  | 0.060                            | 0.017                           | 1.445                            | 0.413                           |
| 10                                 | Conveyor                              | 300                                      | 0.000046            | 0.001100              | 0.014                            | 0.330                  | 0.060                            | 0.017                           | 1.445                            | 0.413                           |
| 14                                 | Conveyor                              | 400                                      | 0.000046            | 0.001100              | 0.018                            | 0.440                  | 0.081                            | 0.023                           | 1.927                            | 0.550                           |
| 16                                 | Conveyor                              | 400                                      | 0.000046            | 0.001100              | 0.018                            | 0.440                  | 0.081                            | 0.023                           | 1.927                            | 0.550                           |
| 17                                 | Conveyor                              | 100                                      | 0.000046            | 0.001100              | 0.005                            | 0.110                  | 0.020                            | 0.006                           | 0.482                            | 0.138                           |
| 19                                 | Conveyor                              | 400                                      | 0.000046            | 0.001100              | 0.018                            | 0.440                  | 0.081                            | 0.023                           | 1.927                            | 0.550                           |
| 20                                 | Conveyor                              | 100                                      | 0.000046            | 0.001100              | 0.005                            | 0.110                  | 0.020                            | 0.006                           | 0.482                            | 0.138                           |
| 21                                 | Conveyor                              | 600                                      | 0.000046            | 0.001100              | 0.028                            | 0.660                  | 0.121                            | 0.035                           | 2.891                            | 0.825                           |
| 22                                 | Conveyor                              | 200                                      | 0.000046            | 0.001100              | 0.009                            | 0.220                  | 0.040                            | 0.012                           | 0.964                            | 0.275                           |
| 23                                 | Conveyor                              | 100                                      | 0.000046            | 0.001100              | 0.005                            | 0.110                  | 0.020                            | 0.006                           | 0.482                            | 0.138                           |
| 24                                 | Conveyor                              | 300                                      | 0.000046            | 0.001100              | 0.014                            | 0.330                  | 0.060                            | 0.017                           | 1.445                            | 0.413                           |
| 25                                 | Conveyor                              | 300                                      | 0.000046            | 0.001100              | 0.014                            | 0.330                  | 0.060                            | 0.017                           | 1.445                            | 0.413                           |
| 33                                 | Conveyor                              | 100                                      | 0.000046            | 0.001100              | 0.005                            | 0.110                  | 0.020                            | 0.006                           | 0.482                            | 0.138                           |
| 34                                 | Conveyor                              | 300                                      | 0.000046            | 0.001100              | 0.014                            | 0.330                  | 0.060                            | 0.017                           | 1.445                            | 0.413                           |
| 35                                 | Conveyor                              | 300                                      | 0.000046            | 0.001100              | 0.014                            | 0.330                  | 0.060                            | 0.017                           | 1.445                            | 0.413                           |
| 36                                 | Conveyor                              | 600                                      | 0.000046            | 0.001100              | 0.028                            | 0.660                  | 0.121                            | 0.035                           | 2.891                            | 0.825                           |
| 39                                 | Conveyor                              | 601                                      | 0.000046            | 0.001100              | 0.028                            | 0.661                  | 0.121                            | 0.035                           | 2.896                            | 0.826                           |
| 40                                 | Conveyor                              | 602                                      | 0.000046            | 0.001100              | 0.028                            | 0.662                  | 0.121                            | 0.035                           | 2.900                            | 0.828                           |
| 41                                 | Conveyor                              | 602                                      | 0.000046            | 0.001100              | 0.028                            | 0.662                  | 0.121                            | 0.035                           | 2.900                            | 0.828                           |
| 42                                 | Conveyor                              | 600                                      | 0.000046            | 0.001100              | 0.028                            | 0.660                  | 0.121                            | 0.035                           | 2.891                            | 0.825                           |
| <b>Engines</b>                     |                                       |  |                     |                       |                                  |                        |                                  |                                 |                                  |                                 |
| PP-TR-1                            | Diesel Engine                         | 500                                      | 0.000540            | 0.002400              | 0.270                            | 1.200                  | 1.183                            | 0.338                           | 5.256                            | 1.500                           |
| PP-CONV-1                          | Diesel Engine                         |  |                     |                       |                                  |                        |                                  |                                 |                                  |                                 |
| PP-CONV-2                          | Diesel Engine                         |  |                     |                       |                                  |                        |                                  |                                 |                                  |                                 |
| PP-CONV-3                          | Diesel Engine                         | 600                                      | 0.000540            | 0.002400              | 0.324                            | 1.440                  | 1.419                            | 0.405                           | 6.307                            | 1.800                           |
| <b>Bins/Feeders</b>                |                                       |  | <b>0.000004</b>     | <b>0.000016</b>       |                                  |                        |                                  |                                 |                                  |                                 |
| 1                                  | Primary Grizzly Feeder                | 550                                      | 0.000004            | 0.000016              | 0.002                            | 0.009                  | 0.009                            | 0.002                           | 0.039                            | 0.011                           |
| 6                                  | Syntron Feeder                        | 400                                      | 0.000004            | 0.000016              | 0.001                            | 0.006                  | 0.006                            | 0.002                           | 0.028                            | 0.008                           |
| 7                                  | Syntron Feeder                        | 400                                      | 0.000004            | 0.000016              | 0.001                            | 0.006                  | 0.006                            | 0.002                           | 0.028                            | 0.008                           |
| 11                                 | 125 ton Surge Bin                     | 500                                      | 0.000004            | 0.000016              | 0.002                            | 0.008                  | 0.008                            | 0.002                           | 0.035                            | 0.010                           |
| 12                                 | Syntron Feeder                        | 425                                      | 0.000004            | 0.000016              | 0.002                            | 0.007                  | 0.007                            | 0.002                           | 0.030                            | 0.009                           |
| 27                                 | 100 ton Bin                           | 410                                      | 0.000004            | 0.000016              | 0.001                            | 0.007                  | 0.006                            | 0.002                           | 0.029                            | 0.008                           |
| 28                                 | 100 ton Bin                           | 395                                      | 0.000004            | 0.000016              | 0.001                            | 0.006                  | 0.006                            | 0.002                           | 0.028                            | 0.008                           |
| 29                                 | 100 ton Bin                           | 380                                      | 0.000004            | 0.000016              | 0.001                            | 0.006                  | 0.006                            | 0.002                           | 0.027                            | 0.008                           |
| 30                                 | 100 ton Bin                           | 365                                      | 0.000004            | 0.000016              | 0.001                            | 0.006                  | 0.006                            | 0.002                           | 0.026                            | 0.007                           |
| 31                                 | Belt Feeder                           | 350                                      | 0.000004            | 0.000016              | 0.001                            | 0.006                  | 0.006                            | 0.002                           | 0.025                            | 0.007                           |
| 32                                 | Belt Feeder                           | 335                                      | 0.000004            | 0.000016              | 0.001                            | 0.005                  | 0.005                            | 0.002                           | 0.023                            | 0.007                           |
| <b>PM 10 TOTALS</b>                |                                       |  |                     |                       | <b>4.08</b>                      | <b>41.90</b>           | <b>17.87</b>                     | <b>5.10</b>                     | <b>183.51</b>                    | <b>52.37</b>                    |

**PLANT OPERATING SCHEDULE**

Notes: (a) PM 10 Emission Factors are from AP-42, Table 11.19.2-2

**600** Avg. Plant Process Rate (Tons/hr)  
**8,760** Potential Operating Hours  
**2,500** Estimated Actual Hours of Operation

**TABLE 4**  
**BLUEGRASS MATERIALS - PINESBURG QUARRY**  
**PM2.5 EMISSIONS ESTIMATE - PROCESSING PLANT EQUIPMENT**  
**April 9, 2024**

| Plan/Permit I.D.                   | Permit Approved Equipment             | Estimated Potential Capacity (Tons/Hour) | PM2.5 Factor (a)<br>Controlled (lb/Ton) | HOURLY 2.5 EMISSIONS             |                      | ANNUAL 2.5 EMISSIONS             |                      |
|------------------------------------|---------------------------------------|--|---|----------------------------------|----------------------|----------------------------------|----------------------|
|                                    |                                       |  |   | Maximum Potential Emission Rates |                      | Maximum Potential Emission Rates |                      |
|                                    |                                       |  |   | Controlled (lb/Hour)             | Controlled (Tons/yr) | Controlled (Tons/yr)             | Controlled (Tons/yr) |
| <b>Primary Crushers</b>            |                                       |  |   | <b>0.000100</b>                  |                      |                                  |                      |
| 2                                  | Hazemag APPH 1515 Primary Crusher     | 600                                      | 0.000100                                | 0.060                            | 0.263                | 0.075                            |                      |
| <b>Secondary/Tertiary Crushers</b> |                                       |  |   | <b>0.000100</b>                  |                      |                                  |                      |
| 13                                 | ISC VSI Model 103 Crusher (SN103-176) | 500                                      | 0.000100                                | 0.050                            | 0.219                | 0.063                            |                      |
| 38                                 | Double Fine Screw                     | 500                                      | 0.000100                                | 0.050                            | 0.219                | 0.063                            |                      |
| <b>Screens</b>                     |                                       |  |   | <b>0.000050</b>                  |                      |                                  |                      |
| 9                                  | 6x20'-3D Diester Screen               | 600                                      | 0.000050                                | 0.030                            | 0.131                | 0.038                            |                      |
| 15                                 | 7x20'-3D Diester Screen               | 600                                      | 0.000050                                | 0.030                            | 0.131                | 0.038                            |                      |
| 18                                 | 8x20'-2D Diester Screen               | 600                                      | 0.000050                                | 0.030                            | 0.131                | 0.038                            |                      |
| 26                                 | 8x20'-2D Diester Screen               | 600                                      | 0.000050                                | 0.030                            | 0.131                | 0.038                            |                      |
| 37                                 | 7x16'-2D Diester Screen               | 600                                      | 0.000050                                | 0.030                            | 0.131                | 0.038                            |                      |
| <b>Conveyors</b>                   |                                       |  |   | <b>0.000013</b>                  |                      |                                  |                      |
| 3                                  | Conveyor                              | 600                                      | 0.000013                                | 0.008                            | 0.034                | 0.010                            |                      |
| 4                                  | Conveyor                              | 300                                      | 0.000013                                | 0.004                            | 0.017                | 0.005                            |                      |
| 5                                  | Conveyor                              | 300                                      | 0.000013                                | 0.004                            | 0.017                | 0.005                            |                      |
| 8                                  | Conveyor                              | 300                                      | 0.000013                                | 0.004                            | 0.017                | 0.005                            |                      |
| 10                                 | Conveyor                              | 300                                      | 0.000013                                | 0.004                            | 0.017                | 0.005                            |                      |
| 14                                 | Conveyor                              | 400                                      | 0.000013                                | 0.005                            | 0.023                | 0.007                            |                      |
| 16                                 | Conveyor                              | 400                                      | 0.000013                                | 0.005                            | 0.023                | 0.007                            |                      |
| 17                                 | Conveyor                              | 100                                      | 0.000013                                | 0.001                            | 0.006                | 0.002                            |                      |
| 19                                 | Conveyor                              | 400                                      | 0.000013                                | 0.005                            | 0.023                | 0.007                            |                      |
| 20                                 | Conveyor                              | 100                                      | 0.000013                                | 0.001                            | 0.006                | 0.002                            |                      |
| 21                                 | Conveyor                              | 600                                      | 0.000013                                | 0.008                            | 0.034                | 0.010                            |                      |
| 22                                 | Conveyor                              | 200                                      | 0.000013                                | 0.003                            | 0.011                | 0.003                            |                      |
| 23                                 | Conveyor                              | 100                                      | 0.000013                                | 0.001                            | 0.006                | 0.002                            |                      |
| 24                                 | Conveyor                              | 300                                      | 0.000013                                | 0.004                            | 0.017                | 0.005                            |                      |
| 25                                 | Conveyor                              | 300                                      | 0.000013                                | 0.004                            | 0.017                | 0.005                            |                      |
| 33                                 | Conveyor                              | 100                                      | 0.000013                                | 0.001                            | 0.006                | 0.002                            |                      |
| 34                                 | Conveyor                              | 300                                      | 0.000013                                | 0.004                            | 0.017                | 0.005                            |                      |
| 35                                 | Conveyor                              | 300                                      | 0.000013                                | 0.004                            | 0.017                | 0.005                            |                      |
| 36                                 | Conveyor                              | 600                                      | 0.000013                                | 0.008                            | 0.034                | 0.010                            |                      |
| 39                                 | Conveyor                              | 601                                      | 0.000013                                | 0.008                            | 0.034                | 0.010                            |                      |
| 40                                 | Conveyor                              | 602                                      | 0.000013                                | 0.008                            | 0.034                | 0.010                            |                      |
| 41                                 | Conveyor                              |  | 0.000013                                | 0.000                            | 0.000                | 0.000                            |                      |
| 42                                 | Conveyor                              | 391                                      | 0.000013                                | 0.005                            | 0.022                | 0.006                            |                      |
| <b>Engines</b>                     |                                       |  |   |                                  |                      |                                  |                      |
| PP-TR-1                            | Diesel Engine                         | 500                                      | 0.000050                                | 0.025                            | 0.110                | 0.031                            |                      |
| PP-CONV-1                          | Diesel Engine                         |  |   |                                  |                      |                                  |                      |
| PP-CONV-2                          | Diesel Engine                         |  |   |                                  |                      |                                  |                      |
| PP-CONV-3                          | Diesel Engine                         | 600                                      | 0.000050                                | 0.030                            | 0.131                | 0.038                            |                      |
| <b>Bins/Feeders</b>                |                                       |  |   | <b>0.000013</b>                  |                      |                                  |                      |
| 1                                  | Primary Grizzly Feeder                | 550                                      | 0.000013                                | 0.007                            | 0.031                | 0.009                            |                      |
| 6                                  | Syntron Feeder                        | 400                                      | 0.000013                                | 0.005                            | 0.023                | 0.007                            |                      |
| 7                                  | Syntron Feeder                        | 400                                      | 0.000013                                | 0.005                            | 0.023                | 0.007                            |                      |
| 11                                 | 125 ton Surge Bin                     | 500                                      | 0.000013                                | 0.007                            | 0.028                | 0.008                            |                      |
| 12                                 | Syntron Feeder                        | 425                                      | 0.000013                                | 0.006                            | 0.024                | 0.007                            |                      |
| 27                                 | 100 ton Bin                           | 410                                      | 0.000013                                | 0.005                            | 0.023                | 0.007                            |                      |
| 28                                 | 100 ton Bin                           | 395                                      | 0.000013                                | 0.005                            | 0.022                | 0.006                            |                      |
| 29                                 | 100 ton Bin                           | 380                                      | 0.000013                                | 0.005                            | 0.022                | 0.006                            |                      |
| 30                                 | 100 ton Bin                           | 365                                      | 0.000013                                | 0.005                            | 0.021                | 0.006                            |                      |
| 31                                 | Belt Feeder                           | 350                                      | 0.000013                                | 0.005                            | 0.020                | 0.006                            |                      |
| 32                                 | Belt Feeder                           | 335                                      | 0.000013                                | 0.004                            | 0.019                | 0.005                            |                      |
| <b>PM2.5 TOTALS</b>                |                                       |  |   | <b>0.52</b>                      | <b>2.29</b>          | <b>0.65</b>                      |                      |

**PLANT OPERATING SCHEDULE**

Notes: (a) PM2.5 Emission Factors are from AP-42, Table 11.19.2-2  
From AP-42 Table 11.19.2-2 No Data available for Uncontrolled PM 2.5 emissions.

600 Avg. Plant Process Rate (Tons/hr)  
8,760 Potential Operating Hours  
2,500 Estimated Actual Hours of Operation

**TABLE 5**  
**BLUEGRASS MATERIALS - PINESBURG QUARRY**  
**EMISSIONS ESTIMATE - MOBILE PLANT ENGINES**  
**April 9, 2024**

**ESTIMATED EMISSIONS**

| ITEM | POLLUTANT                     | Emission Factor<br>M515 Trommel | Emission Factor<br>Telestack | Units   | POTENTIAL EMISSIONS                                  |   |  | ACTUAL EMISSIONS                                     |   |   | Emission<br>Factor<br>References<br>(See Note 9) |
|------|-------------------------------|---------------------------------|------------------------------|---------|--|---|--|--|---|---|--|
|      |                               |                                 |                              |         | Per Hour<br>of Operation<br>(lbs/hr)<br>M515 Trommel | Per Hour<br>of Operation<br>(lbs/hr)<br>Telestack | Per year<br>of Operation<br>(tons/year)<br>Total | Per Hour<br>of Operation<br>(lbs/hr)<br>M515 Trommel | Per Hour<br>of Operation<br>(lbs/hr)<br>Telestack | Per year<br>of Operation<br>(tons/year) |  |
| 1    | PM-10                         | 0.01000000                      | 0.00300000                   | g/kW-hr | 0.0021   | 0.0003  | <b>0.01</b>                                      | 0.0021   | 0.0003  | <b>0.01</b>                             | A  |
| 2    | NOx                           | 0.30000000                      | 0.00000000                   | g/kW-hr | 0.0632   | 0.0000  | <b>0.28</b>                                      | 0.0632   | 0.0000  | <b>0.16</b>                             | A  |
| 3    | CO                            | 0.02000000                      | 1.30000000                   | g/kW-hr | 0.0042   | 0.1434  | <b>0.65</b>                                      | 0.0042   | 0.1434  | <b>0.01</b>                             | A  |
| 4    | SOx                           | 0.93100000                      | 0.93100000                   | g/kW-hr | 0.1974   | 0.1025  | <b>1.31</b>                                      | 0.1974   | 0.1025  | <b>0.49</b>                             | C  |
| 5    | Total Organic Compounds (TOC) | 0.01000000                      | 0.00000000                   | g/kW-hr | 0.0021   | 0.0000  | <b>0.01</b>                                      | 0.0021   | 0.0000  | <b>0.01</b>                             | A  |
| 6    | Benzene*                      | 0.00119000                      | 0.00119000                   | g/hp-hr | 0.0003   | 0.0013  | <b>0.01</b>                                      | 0.0003   | 0.0013  | <b>0.00</b>                             | B  |
| 7    | Toluene*                      | 0.00058600                      | 0.00058600                   | g/hp-hr | 0.0001   | 0.0000  | <b>0.00</b>                                      | 0.0001   | 0.0000  | <b>0.00</b>                             | B  |
| 8    | Xylenes*                      | 0.00069300                      | 0.00069300                   | g/hp-hr | 0.0001   | 0.0001  | <b>0.00</b>                                      | 0.0001   | 0.0001  | <b>0.00</b>                             | B  |
| 9    | Propylene*                    | 0.00290000                      | 0.00290000                   | g/hp-hr | 0.0006   | 0.0003  | <b>0.00</b>                                      | 0.0006   | 0.0003  | <b>0.00</b>                             | B  |
| 10   | 1,3-Butadiene*                | 0.00008720                      | 0.00008720                   | g/hp-hr | 0.0000   | 0.0000  | <b>0.00</b>                                      | 0.0000   | 0.0000  | <b>0.00</b>                             | B  |
| 11   | Formaldehyde*                 | 0.00308000                      | 0.00308000                   | g/hp-hr | 0.0007   | 0.0003  | <b>0.00</b>                                      | 0.0007   | 0.0003  | <b>0.00</b>                             | B  |
| 12   | Acetaldehyde*                 | 0.00239000                      | 0.00239000                   | g/hp-hr | 0.0005   | 0.0003  | <b>0.00</b>                                      | 0.0005   | 0.0003  | <b>0.00</b>                             | B  |
| 13   | Acrolein*                     | 0.00011800                      | 0.00011800                   | g/hp-hr | 0.0000   | 0.0000  | <b>0.00</b>                                      | 0.0000   | 0.0000  | <b>0.00</b>                             | B  |
| 14   | Naphthalene*                  | 0.00008480                      | 0.00008480                   | lb/hr   | 0.0001   | 0.0001  | <b>0.00</b>                                      | 0.0001   | 0.0001  | <b>0.00</b>                             | B  |
|      | HAP Total                     |                                 |                              |         | 0.27   | 0.25  | <b>2.28</b>                                      | 0.27   | 0.25  | <b>0.68</b>                             |  |

\* Hazardous air pollutant (HAP) listed in the Clear Air Act.  
 TOC includes VOC's

**Notes**

1. Potential Use indicates Continuous operation 24 hrs/day, 365 days a year, or 8,760 hours total.
2. Percent Sulfur in Fuel Oil = 0.5 %
3. Actual Hours of Operation 2,500
4. Potential Hours of Operation 8,760
5. Emission Factor references
  - A EPA Engine Specification from Manufacturer's data; M515 Trommel 129 hp; Telestack 67 hp
  - B EPA AP-42 Emission Factors; Sec. 3.3-Gasoline and Diesel Industrial Engines; Table 4-2b
  - C EPA AP-42 Emission Factors; Sec 3.3-Gasoline and Diesel Industrial Engines; Table 3.3-1 (SCC20200102)

**TABLE 6**  
**BLUEGRASS MATERIALS - PINESBURG QUARRY**  
**EMISSIONS SUMMARY**  
**April 9, 2024**

| ITEM | POLLUTANT                     | POTENTIAL CONTROLLED PLANT EMISSIONS |                                   | ESTIMATED ACTUAL CONTROLLED PLANT EMISSIONS |                                   |
|------|-------------------------------|--------------------------------------|-----------------------------------|---|-----------------------------------|
|      |                               | Per Hour of Operation (lbs/hr)       | Per year of Operation (tons/year) | Per Hour of Operation (lbs/hr)              | Per year of Operation (tons/year) |
| 1    | PM                            | 12.15                                | 53.23                             | 12.15                                       | 18.22                             |
| 2    | PM-10                         | 4.08                                 | 17.88                             | 4.08  | 5.11                              |
| 3    | PM 2.5                        | 0.52                                 | 2.30                              | 0.52  | 0.66                              |
| 4    | NOx                           | 0.06                                 | 0.28                              | 0.06  | 0.16                              |
| 5    | CO                            | 0.00                                 | 0.65                              | 0.00  | 0.01                              |
| 6    | SOx                           | 0.20                                 | 1.31                              | 0.20  | 0.49                              |
| 7    | Total Organic Compounds (TOC) | 0.00                                 | 0.01                              | 0.00  | 0.01                              |
| 8    | Benzene*                      | 0.00                                 | 0.01                              | 0.00  | 0.00                              |
| 9    | Toluene*                      | 0.00                                 | 0.00                              | 0.00  | 0.00                              |
| 10   | Xylenes*                      | 0.00                                 | 0.00                              | 0.00  | 0.00                              |
| 11   | Propylene*                    | 0.00                                 | 0.00                              | 0.00  | 0.00                              |
| 12   | 1,3-Butadiene*                | 0.00                                 | 0.00                              | 0.00  | 0.00                              |
| 13   | Formaldehyde*                 | 0.00                                 | 0.00                              | 0.00  | 0.00                              |
| 14   | Acetaldehyde*                 | 0.00                                 | 0.00                              | 0.00  | 0.00                              |
| 15   | Acrolein*                     | 0.00                                 | 0.00                              | 0.00  | 0.00                              |
| 16   | Naphthalene*                  | 0.00                                 | 0.00                              | 0.00  | 0.00                              |
|      | HAP Total                     | 0.00                                 | 0.02                              | 0.00  | 0.01                              |

\* Hazardous Air Pollutant (HAP) listed in the Clear Air Act.  
 TOC includes VOC's

**Notes**

1. See Tables 2 - 6 for detailed calculations
2. Diesel Engine PM-10 and PM2.5 emissions assumed to equal PM Emissions
3. ND = Not Determined, no uncontrolled emissions factors available for PM 2.5

**Martin Marietta Materials, Inc.**  
**Pinesburg Quarry, Permit to Operate 005-0003**  
**Permit to Construct Application**  
**Form 5 / 5EP Calculations**  
**Date: 04/02/2024**

| Description  | Make      | Model        | Design Capacity (stph) (*1) | Projected Operations (*2) |                           |                           | Particulate Matter Emissions (*3) |  |                          |                          |                            |
|--------------|-----------|--------------|-----------------------------|---------------------------|---------------------------|---------------------------|-----------------------------------|--|--------------------------|--------------------------|----------------------------|
|              |           |              |                             | Rate (stph)               | Daily Op. Hours (hrs/day) | Annual Op. Hours (hrs/yr) | Emissions Factor (lb/Ton)         | Design Capacity Hrly Emissions (lb/hr) | At Projected Operations  |                          |                            |
|              |           |              |                             |                           |                           |                           |                                   |  | Hourly Emissions (lb/hr) | Daily Emissions (lb/day) | Annual Emissions (Tons/yr) |
| PP-TR-1      | MDS       | M515 Trommel | 500                         | 500                       | 10                        | 2500                      | 0.0022                            | 1.10                                   | 1.10                     | 11.00                    | 1.38                       |
| PP-CONV-3    | Telestack | TC 624       | 600                         | 600                       | 10                        | 2500                      | 0.0022                            | 1.32                                   | 1.32                     | 13.20                    | 1.65                       |
| <b>TOTAL</b> |           |              |                             |                           |                           |                           |                                   | <b>2.42</b>                            | <b>2.42</b>              | <b>24.20</b>             | <b>3.03</b>                |

| Description  | Make      | PM-10 Emissions (*3)      |  |                          |                          |                            | PM-2.5 Emissions (*3)     |  |                          |                          |                            |
|--------------|-----------|---------------------------|--|--------------------------|--------------------------|----------------------------|---------------------------|--|--------------------------|--------------------------|----------------------------|
|              |           | Emissions Factor (lb/Ton) | Design Capacity Hrly Emissions (lb/hr) | At Projected Operations  |                          |                            | Emissions Factor (lb/Ton) | Design Capacity Hrly Emissions (lb/hr) | At Projected Operations  |                          |                            |
|              |           |                           |  | Hourly Emissions (lb/hr) | Daily Emissions (lb/day) | Annual Emissions (Tons/yr) |                           |  | Hourly Emissions (lb/hr) | Daily Emissions (lb/day) | Annual Emissions (Tons/yr) |
| PP-TR-1      | MDS       | 0.00054                   | 0.27                                   | 0.27                     | 2.70                     | 0.34                       | 0.00005                   | 0.03                                   | 0.025                    | 0.25                     | 0.03                       |
| PP-CONV-3    | Telestack | 0.00054                   | 0.32                                   | 0.32                     | 3.24                     | 0.41                       | 0.00005                   | 0.03                                   | 0.03                     | 0.3                      | 0.04                       |
| <b>TOTAL</b> |           |                           | <b>0.59</b>                            | <b>0.59</b>              | <b>5.94</b>              | <b>0.74</b>                |                           | <b>0.06</b>                            | <b>0.06</b>              | <b>0.55</b>              | <b>0.07</b>                |

(\*1) "Design Capacity" is based on vendor or manufacturer provided information, or educated estimates where information is not available.

(\*2) "Projected Operations" represent conservative estimates based on computer flow modeling, equipment configuration, past operational records, and interviews with knowledgeable personnel.

(\*3) PM, PM-10, & PM-2.5 emissions based on 100% equipment availability, and AP-42 emissions factors (AP-42 11.19.2, Table 11.19.1-2 (English Units) revised 08/04).

(\*4) WMPO = Wet Material Processing Operations

(\*5) Capacity / Rate = Input Rate = Output Rate for all of the above.

# Safety Data Sheet (SDS)



## SAFETY DATA SHEET (SDS): LIMESTONE

### SECTION I – IDENTIFICATION

| PRODUCT IDENTIFIER | TRADE NAME    | OTHER SYNONYMS  |
|--------------------|---------------|---|
| Limestone          | Crushed Stone | Sweet Rock, Aggregate, Aglime, Barn Lime, Coverstone, Fluing Agent, Flexible Base, Manufactured Sand, Mineral Filler, Screenings, Limestone CTB |

#### RECOMMENDED USE AND RESTRICTION ON USE

Used for construction purposes

This product is not intended or designed for and should not be used as an abrasive blasting medium or for foundry applications.

#### MANUFACTURER/SUPPLIER INFORMATION

Martin Marietta Materials  
2710 Wycliff Road  
Raleigh, North Carolina 27607  
Phone: 919-781-4550

For additional health, safety or regulatory information and other emergency situations, call 919-781-4550

### SECTION II – HAZARD(S) IDENTIFICATION

#### HAZARD CLASSIFICATION:

Category 1A Carcinogen

Category 1 Specific Target Organ Toxicity (STOT) following repeated exposures

Category 1 Eye Damage

Category 2 Skin Irritant



SIGNAL WORD: DANGER

#### HAZARD STATEMENTS:

May cause cancer by inhalation.

Causes damage to lungs, kidneys and autoimmune system through prolonged or repeated exposure by inhalation.

Causes skin irritation and serious eye damage.

#### PRECAUTIONARY STATEMENTS

Do not handle until the safety information presented in this SDS has been read and understood.

Do not breathe dusts or mists. Do not eat, drink or smoke while manually handling this product. Wash skin thoroughly after manually handling.

If on skin: Rinse skin after manually handling and wash contaminated clothing if there is potential for direct skin contact before reuse.

If swallowed: If gastrointestinal discomfort occurs and if person is conscious, give a large quantity of water and induce vomiting; however, never attempt to make an unconscious person drink or vomit.

If inhaled excessively: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, and continue rinsing.

If exposed, concerned, unwell or irritation of the eyes, skin, mouth or throat/nasal passage persist: Get medical attention.

Wear eye protection and respiratory protection following this SDS, NIOSH guidelines and other applicable regulations. Use protective gloves if manually handling the product.

Avoid creating dust when handling, using or storing. Use with adequate ventilation to keep exposure below recommended exposure limits.

Dispose of product in accordance with local, regional, national or international regulations.

Please refer to Section XI for details of specific health effects of the components.

**SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS**

| COMPONENT(S)<br>CHEMICAL NAME                     | CAS REGISTRY NO | % by weight (approx) |
|---|-----------------|----------------------|
| Limestone   | 1317-65-3       | 80-99                |
| Silicon Dioxide <sup>(1)</sup> , SiO <sub>2</sub> | 7631-86-9       | 0-10                 |
| Aluminum Oxide, Al <sub>2</sub> O <sub>3</sub>    | 1344-28-1       | <1                   |
| Ferric Oxide, Fe <sub>2</sub> O <sub>3</sub>      | 1309-37-1       | <1                   |
| Magnesium Oxide, MgO                              | 1309-48-4       | 0-8                  |
| Calcium Oxide, CaO                                | 1305-78-8       | 0-43                 |
| Sodium Oxide, Na <sub>2</sub> O                   | 1313-59-3       | <1                   |
| Potassium Oxide, K <sub>2</sub> O                 | 12136-45-7      | <1                   |
| Calcium Carbonate, CaCO <sub>3</sub>              | 471-34-1        | 40-100               |

(1): The composition of SiO<sub>2</sub> may be up to 100% crystalline silica

**SECTION IV – FIRST-AID MEASURES**

**INHALATION:** If excessive inhalation occurs, remove to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or develops later.

**EYES:** Immediately flush eye(s) with plenty of clean water for at least 15 minutes, while holding the eyelid(s) open. Occasionally lift the eyelid(s) to ensure thorough rinsing. Remove contact lenses, if present and easy to do, and continue rinsing. Beyond flushing, do not attempt to remove material from the eye(s). Contact a physician if irritation persists or develops later.

**SKIN:** Rinse skin with soap and water after manually handling and wash contaminated clothing if there is potential for direct skin contact. Contact a physician if irritation persists or develops later.

**INGESTION:** If gastrointestinal discomfort occurs and if person is conscious, give a large quantity of water and induce vomiting; however, never attempt to make an unconscious person drink or vomit. Get medical attention.

**SIGNS AND SYMPTOMS OF EXPOSURE:** There are generally no signs or symptoms of exposure to respirable crystalline silica. Often, chronic silicosis has no symptoms. The symptoms of chronic silicosis, if present, are shortness of breath, wheezing, cough and sputum production. The symptoms of acute silicosis which can occur with exposures to very high concentrations of respirable crystalline silica over a very short time period, sometimes as short as 6 months, are the same as those associated with chronic silicosis; additionally, weight loss and fever may also occur. The symptoms of scleroderma, an autoimmune disease, include thickening and stiffness of the skin, particularly in the fingers, shortness of breath, difficulty swallowing and joint problems.

Direct skin and eye contact with dust may cause irritation by mechanical abrasion. Some components of the product are also known to cause corrosive effects to skin, eyes and mucous membranes. Ingestion of large amounts may cause gastrointestinal irritation and blockage. Inhalation of dust may irritate nose, throat, mucous membranes and respiratory tract by mechanical abrasion. Coughing, sneezing, chest pain, shortness of breath, inflammation of mucous membrane, and flu-like fever may occur following exposures in excess of appropriate exposure limits. Repeated excessive exposure may cause pneumoconiosis, such as silicosis and other respiratory effects.

**SECTION V – FIRE-FIGHTING MEASURES****EXTINGUISHING AGENT**

Not flammable; use extinguishing media compatible with surrounding fire.

**UNUSUAL FIRE AND EXPLOSION HAZARD**

Contact with powerful oxidizing agents may cause fire and/or explosions (see Section X of this SDS). While individual components are known to react vigorously with water to produce heat, this is not expected from the limestone.

**SPECIAL FIRE FIGHTING PROCEDURES**

None known

**HAZARDOUS COMBUSTION PRODUCTS**

None known



**SECTION VI – ACCIDENTAL RELEASE MEASURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Persons involved in cleaning should first follow the precautions defined in Section VII of the SDS. Spilled materials, where dust can be generated, may overexpose cleanup personnel to respirable crystalline silica-containing dust and other components that may pose inhalation hazards. Do not dry sweep spilled material. Collect the material using a method that does not produce dust such as a High-Efficiency Particulate Air (HEPA) vacuum or thoroughly wetting down the dust before cleaning up. Wear appropriate personal protective equipment as specified in Section VIII including appropriate respirators during and following clean up or whenever airborne dust is present to ensure worker exposures remain below occupational exposure limits (OELs - Refer to Section VIII).

Place the dust in a covered container appropriate for disposal. Dispose of the dust according to federal, state and local regulations.

This product is not subject to the reporting requirements of SARA Title III Section 313, and 40 CFR 372.

**SECTION VII – HANDLING AND STORAGE**

This product is not intended or designed for and should not be used as an abrasive blasting medium or for foundry applications. Follow protective controls set forth in Section VIII of this SDS when handling this product. Dust containing respirable crystalline silica and other components that may be corrosive/irritant may be generated during processing, handling and storage. Use good housekeeping procedures to prevent the accumulation of dust in the workplace.

Do not breathe dust. Avoid contact with skin and eyes. Do not store near food or beverages or smoking materials. Do not stand on piles of materials; it may be unstable.

Use adequate ventilation and dust collection equipment and ensure that the dust collection system is adequate to reduce airborne dust levels to below the appropriate OELs. If the airborne dust levels are above the appropriate OELs, use respiratory protection during the establishment of engineering controls. Refer to Section VIII - Exposure Controls/Personal Protection for further information.

In accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200, 1915.99, 1917.28, 1918.90, 1926.59, 1928.21), state, and/or local right-to-know laws and regulations, familiarize your employees with this SDS and the information contained herein. Warn your employees, your customers and other third parties (in case of resale or distribution to others) of the potential health risks associated with the use of this product and train them in the appropriate use of personal protective equipment and engineering controls, which will reduce their risks of exposure.

See also ASTM International standard practice E 1132-06, "Standard Practice for Health Requirements Relating to Occupational Exposure to Respirable Crystalline Silica."

For safe handling and use of this product for Hydraulic Fracturing, please see the OSHA/NIOSH Hazard Alert Worker Exposure to Silica during Hydraulic Fracturing DHHS (NIOSH) Publication No. 2012-166 (2012).  
[http://www.osha.gov/dts/hazardalerts/hydraulic\\_frac\\_hazard\\_alert.pdf](http://www.osha.gov/dts/hazardalerts/hydraulic_frac_hazard_alert.pdf)

**SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Airborne OELs for Components of Limestone:**

| COMPONENT(S) CHEMICAL NAME                     | MSHA/OSHA PEL  | ACGIH TLV-TWA                          | NIOSH REL  |
|--|--|--|--|
| Limestone                                      | (T) 15 mg/m <sup>3</sup> , (R) 5 mg/m <sup>3</sup>             | -                                      | (T) 10 mg/m <sup>3</sup> , (R) 5 mg/m <sup>3</sup> |
| Silicon Dioxide, SiO <sub>2</sub> §            | (R) 0.05 mg/m <sup>3</sup><br>(R) 0.025 mg/m <sup>3</sup> (AL) | (R) 0.025 mg/m <sup>3</sup> #          | (R) 0.05 mg/m <sup>3</sup> #                       |
| Aluminum Oxide, Al <sub>2</sub> O <sub>3</sub> | (T) 15 mg/m <sup>3</sup> , (R) 5 mg/m <sup>3</sup>             | <sup>(1)</sup> (R) 1 mg/m <sup>3</sup> | -  |
| Ferric Oxide, Fe <sub>2</sub> O <sub>3</sub>   | <sup>(2)</sup> 10 mg/m <sup>3</sup>                            | (R) 5 mg/m <sup>3</sup>                | <sup>(3)</sup> 5 mg/m <sup>3</sup>                 |
| Magnesium Oxide, MgO                           | <sup>(4)</sup> 15 mg/m <sup>3</sup>                            | (I) 10 mg/m <sup>3</sup>               | -  |
| Calcium Oxide, CaO                             | 5 mg/m <sup>3</sup>  | 2 mg/m <sup>3</sup>                    | 2 mg/m <sup>3</sup>                                |
| Sodium Oxide, Na <sub>2</sub> O <sup>(5)</sup> | 2 mg/m <sup>3</sup>  | (C) 2 mg/m <sup>3</sup>                | (C) 2 mg/m <sup>3</sup>                            |
| Potassium Oxide, K <sub>2</sub> O              | -  | <sup>(6)</sup> (C) 2 mg/m <sup>3</sup> | <sup>(6)</sup> (C) 2 mg/m <sup>3</sup>             |
| Calcium Carbonate, CaCO <sub>3</sub>           | (T) 15 mg/m <sup>3</sup> , (R) 5 mg/m <sup>3</sup>             | -                                      | (T) 10 mg/m <sup>3</sup> , (R) 5 mg/m <sup>3</sup> |

§ The OSHA OELs for respirable crystalline silica are listed in the table. As of June 28, 2018, the MSHA standard for respirable crystalline silica has not been changed but may be revised in the future. The MSHA PEL for dust containing crystalline silica (quartz) is based on the silica content of the respirable dust sample and is calculated as: 10 mg/m<sup>3</sup> / (% SiO<sub>2</sub>+2). The MSHA PEL for crystalline silica as tridymite and cristobalite is one-half the PEL for crystalline silica (quartz). # The ACGIH and NIOSH limits are for crystalline silica (quartz), independent of the dust concentration. The ACGIH TLV for crystalline silica as cristobalite is equal to the TLV for crystalline silica as quartz. In 2005, ACGIH withdrew the TLV for crystalline silica as tridymite. The NIOSH REL for crystalline silica as cristobalite and tridymite is the same as for quartz. Refer to Section X for thermal stability information for crystalline silica (quartz).

AL: Action Level

(1): Limits based on Aluminum Metal and Insoluble Compounds.

(2): As Iron Oxide Fume.

(3): Dust and fume, as Iron

(4): As Magnesium Oxide Fume Total Particulate.

(5): Based on Sodium Hydroxide.

(6): Based on Potassium Hydroxide.

(R): Respirable Fraction.

(T): Total Dust.

(I): Inhalable Fraction.

(C): Ceiling Limit

**Airborne OELs for Inert/Nuisance Dust:**

| Standard  | Respirable Dust     | Total Dust            |
|---|---------------------|-----------------------|
| MSHA/OSHA PEL<br>(as Inert or Nuisance Dust)        | 5 mg/m <sup>3</sup> | 15 mg/m <sup>3</sup>  |
| ACGIH TLV<br>(as Particles Not Otherwise Specified) | 3 mg/m <sup>3</sup> | *10 mg/m <sup>3</sup> |
| NIOSH REL<br>(Particulates Not Otherwise Regulated) | -                   | -                     |

Note: The limits for Inert Dust are provided as guidelines. Nuisance dust is limited to particulates not known to cause systemic injury or illness.

\* The TLV provided is for inhalable particles not otherwise specified.

**ENGINEERING CONTROLS**

Ventilation: Use local exhaust, general ventilation or natural ventilation adequate to maintain exposures below appropriate exposure limits.

Other control measures: Respirable dust and crystalline silica levels should be monitored regularly. Dust and crystalline silica levels in excess of appropriate exposure limits should be reduced by implementing feasible engineering controls, including (but not limited to) dust suppression (wetting), ventilation, process enclosure and enclosed employee work stations.

**EYE/FACE PROTECTION**

Safety glasses with side shields should be worn as minimum protection. Dust goggles should be worn when excessively (visible) dusty conditions are present or are anticipated. If irritation persists, get medical attention immediately. There is potential for severe eye irritation if exposed to excessive concentrations of dust for those using contact lenses.

**SKIN PROTECTION**

Use appropriate protective gloves if manually handling the product.

**SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION, CONTD.****RESPIRATORY PROTECTION**

## Respirator Recommendations:

For respirable crystalline silica levels that exceed or are likely to exceed appropriate exposure limits, a NIOSH-approved particulate filter respirator must be worn. Respirator use must comply with applicable MSHA or OSHA standards, which include provisions for a user training program, respirator repair and cleaning, respirator fit testing, and other requirements. For additional information contact NIOSH at 1-800-356-4674 or visit website: <http://www.cdc.gov/niosh/npg> (search for crystalline silica). See also ANSI standard Z88.2 (latest revision) "American National Standard for Respiratory Protection," 29 CFR 1910.134 and 1926.103, and 42 CFR 84.

NIOSH recommendations for respiratory protection include:

**Up to 0.5 mg/m<sup>3</sup>:**

(APF = 10) Any particulate respirator equipped with an N95, R95, or P95 filter (including N95, R95, and P95 filtering facepieces) except quarter-mask respirators. The following filters may also be used: N99, R99, P99, N100, R100, P100.

**Up to 1.25 mg/m<sup>3</sup>:**

(APF = 25) Any powered, air-purifying respirator with a high-efficiency particulate (100-series) filter.

(APF = 25) Any supplied-air respirator operated in a continuous-flow mode

**Up to 2.5 mg/m<sup>3</sup>:**

(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter.

(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and a high-efficiency particulate filter

**Up to 25 mg/m<sup>3</sup>:**

(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions (50 mg/m<sup>3</sup> for crystalline silica-quartz): A self-contained breathing apparatus (SCBA) that has a full-face piece and is operated in a pressure-demand or other positive-pressure mode or any supplied-air respirator that has a full-face piece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus.

Escape from unknown or IDLH conditions: An air-purifying, full-face piece respirator with a high-efficiency particulate (100-series) filter or any appropriate escape-type, self-contained breathing apparatus.

If the workplace airborne crystalline silica concentration is unknown for a given task, conduct air monitoring to determine the appropriate level of respiratory protection to be worn. Consult with a certified industrial hygienist, your insurance risk manager or the OSHA Consultative Services group for detailed information. Ensure appropriate respirators are worn, as needed, during and following the task, including clean up or whenever airborne dust is present, to ensure worker exposures remain below OELs.

**GENERAL HYGIENE CONSIDERATIONS**

There are no known hazards associated with this material when used as recommended. Following the guidelines in this SDS are recognized as good industrial hygiene practices. Avoid breathing dust. Avoid skin and eye contact. Wash dust-exposed skin with soap and water before eating, drinking, smoking and using toilet facilities. Wash work clothes after each use.

**SECTION IX— PHYSICAL AND CHEMICAL PROPERTIES**

|   |   |
|---|---|
| <b>APPEARANCE</b><br>Limestone is a mixture of fine to coarse angular white to gray particles ranging in size from powder to small stones | <b>ODOR AND ODOR THRESHOLD</b><br>Odorless to musty odor and not applicable |
| <b>pH AND VISCOSITY</b><br>Not applicable   | <b>MELTING POINT/FREEZING POINT</b><br>Not applicable                       |
| <b>BOILING POINT AND RANGE</b><br>Not applicable  | <b>FLASH POINT AND FLAMMABILITY</b><br>Not applicable                       |
| <b>FLAMMABILITY/EXPLOSIVE LIMITS AND AUTOIGNITION TEMPERATURE</b><br>Not applicable   | <b>EVAPORATION RATE AND DECOMPOSITION TEMPERATURE</b><br>Not applicable     |
| <b>VAPOR PRESSURE AND VAPOR DENSITY IN AIR</b><br>Not applicable  | <b>SPECIFIC GRAVITY.</b><br>2.5-2.75  |
| <b>SOLUBILITY IN WATER</b><br>Insoluble   | <b>PARTITION COEFFICIENT: N-OCTANOL/WATER</b><br>Not applicable             |

**SECTION X – STABILITY AND REACTIVITY**

|   |  |
|---|--|
| <b>STABILITY</b><br>Stable  | <b>CONDITIONS TO AVOID</b><br>Contact with incompatible materials (see below). |
| <b>THERMAL STABILITY</b><br>If crystalline silica (quartz) is heated to more than 870°C (1598°F), it can change to a form of crystalline silica known as tridymite, and if crystalline silica (quartz) is heated to more than 1470°C (2678°F), it can change to a form of crystalline silica known as cristobalite. |  |
| <b>INCOMPATIBILITY (Materials to avoid)</b><br>Contact with powerful oxidizing agents such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride may cause fire and/or explosions. Some components of limestone may react vigorously with water.                       |  |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS</b><br>Silica dissolves in hydrofluoric acid producing a corrosive gas - silicon tetrafluoride.   |  |
| <b>HAZARDOUS POLYMERIZATION</b><br>Not known to polymerize  |  |

**SECTION XI – TOXICOLOGICAL INFORMATION**

|  |
|--|
| <p>Health Effects: The information below represents an overview of health effects caused by overexposure to one or more components in limestone.</p> <p>Primary routes(s) of exposure:      <input checked="" type="checkbox"/> Inhalation      <input type="checkbox"/> Skin      <input checked="" type="checkbox"/> Ingestion</p> <p><b>EYE CONTACT:</b> Direct contact with dust may cause irritation by mechanical abrasion or corrosive action. Conjunctivitis may occur.</p> <p><b>SKIN CONTACT:</b> Direct contact may cause irritation by mechanical abrasion. Some components of material are also known to cause corrosive effects to skin and mucous membranes.</p> <p><b>SKIN ABSORPTION:</b> Not expected to be a significant route of exposure.</p> <p><b>INGESTION:</b> Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury. Ingestion of large amounts may cause gastrointestinal irritation and blockage.</p> <p><b>INHALATION:</b> Dust may irritate nose, throat, mucous membranes and respiratory tract by mechanical abrasion. Coughing, sneezing, chest pain, shortness of breath, inflammation of mucous membrane, and flu-like fever may occur following exposures in excess of appropriate exposure limits.</p> |
|--|

**SECTION XI – TOXICOLOGICAL INFORMATION, CONTD.****MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

Inhaling respirable dust and/or crystalline silica may aggravate existing respiratory system disease(s) (e.g., bronchitis, emphysema, chronic obstructive pulmonary disease) and/or dysfunctions. Exposure to dust may aggravate existing skin and/or eye conditions. Smoking and obstructive/restrictive lung diseases may also exacerbate the effects of excessive exposure to this product.

This product is a mixture of components. The composition percentages are listed in Section III. Toxicological information for each component is listed below:

**Silicon Dioxide:** It is comprised of amorphous and crystalline forms of silica. In some batches, crystalline silica may represent up to 100% of silicon dioxide.

Exposure route: Eyes, respiratory system.

Target organs: Eyes, skin, respiratory system.

ACGIH, MSHA, and OSHA have determined that adverse effects are not likely to occur in the workplace provided exposure levels do not exceed the appropriate exposure limits. Lower exposure limits may be appropriate for some individuals including persons with pre-existing medical conditions as described under medical conditions aggravated by exposure.

**A. SILICOSIS**

The major concern is silicosis (lung disease), caused by the inhalation and retention of respirable crystalline silica dust. Silicosis leads to conditions such as lung fibrosis and reduced pulmonary function. The form and severity in which silicosis manifests itself, depends in part on the type and extent of exposure to silica dusts: chronic, accelerated and acute forms are recognized. In later stages the critical condition may become disabling and potentially fatal. Restrictive and/or obstructive changes in lung function may occur due to exposure. A risk associated with silicosis is development of pulmonary tuberculosis (silico-tuberculosis). Respiratory insufficiencies due to massive fibrosis and reduced pulmonary function, possibly with accompanying heart failure, are other potential causes of death due to silicosis.

Chronic or Ordinary Silicosis is the most common form of silicosis and can occur after many years of exposure to levels above the occupational exposure limits for airborne respirable crystalline silica dust. Not all individuals with silicosis will exhibit symptoms (signs) of the disease. Symptoms of silicosis may include (but are not limited to): Shortness of breath; difficulty breathing with or without exertion; coughing; diminished work capacity; diminished chest expansion; reduction of lung volume; heart enlargement and/or failure. It is further defined as either simple or complicated silicosis.

Simple Silicosis is characterized by lung lesions (shown as radiographic opacities) less than 1 centimeter in diameter, primarily in the upper lung zones. Often, simple silicosis is not associated with symptoms, detectable changes in lung function or disability. Simple silicosis may be progressive and may develop into complicated silicosis or progressive massive fibrosis (PMF).

Complicated Silicosis or PMF is characterized by lung lesions (shown as radiographic opacities) greater than 1 centimeter in diameter. Although there may be no symptoms associated with complicated silicosis or PMF, the symptoms, if present, are shortness of breath, wheezing, cough and sputum production. Complicated silicosis or PMF may be associated with decreased lung function and may be disabling. Advanced complicated silicosis or PMF may lead to death. Advanced complicated silicosis or PMF can result in heart disease (cor pulmonale) secondary to the lung disease.

Accelerated Silicosis can occur with exposure to high concentrations of respirable crystalline silica over a relatively short period; the lung lesions can appear within five (5) years of the initial exposure. The progression can be rapid. Accelerated silicosis is similar to chronic or ordinary silicosis, except that the lung lesions appear earlier and the progression is more rapid.

Acute Silicosis can occur with exposures to very high concentrations of respirable crystalline silica over a very short time period, sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss. Acute silicosis is a rapidly progressive, incurable lung disease and is typically fatal.

**SECTION XI – TOXICOLOGICAL INFORMATION, CONTD.****B. CANCER**

IARC - The International Agency for Research on Cancer ("IARC") concluded that there is "sufficient evidence in humans for the carcinogenicity of crystalline silica in the form of quartz or cristobalite", there is "sufficient evidence in experimental animals for the carcinogenicity of quartz dust" and that there is "limited evidence in experimental animals for the carcinogenicity of tridymite dust and cristobalite dust." The overall IARC evaluation was that "crystalline silica inhaled in the form of quartz or cristobalite dust is *carcinogenic to humans (Group 1)*." The IARC evaluation noted that not all industrial circumstances studied evidenced carcinogenicity. The monograph also stated that "Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." For further information on the IARC evaluation, see IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 100C, "Silica Dust, Crystalline, in the Form of Quartz or Cristobalite" (2012).

NTP - In its Eleventh Annual Report on Carcinogens, concluded that respirable crystalline silica is known to be a human carcinogen, based on sufficient evidence of carcinogenicity from studies in humans indicating a causal relationship between exposure to respirable crystalline silica and increased lung cancer rates in workers exposed to crystalline silica dust.

OSHA - Crystalline silica is not on the OSHA carcinogen list.

CALIFORNIA PROPOSITION 65 - Crystalline silica in October 1996 was listed on the Safe Drinking Water and Toxic Enforcement ACT of 1986 as a chemical known to the state to cause cancer or reproductive toxicity.

There have been many articles published on the carcinogenicity of crystalline silica, which the reader should consult for additional information; the following are examples of recently published articles: (1) "Dose-Response Meta-Analysis of Silica and Lung Cancer", *Cancer Causes Control*, (20):925-33 (2009); (2) "Occupational Silica Exposure and Lung Cancer Risk: A Review of Epidemiological Studies 1996-2005", *Ann Oncol*, (17) 1039-50 (2006); (3) "Lung Cancer Among Industrial Sand Workers Exposed to Crystalline Silica", *Am J Epidemiol*, (153) 695-703 (2001); (4) "Crystalline Silica and The Risk of Lung Cancer in The Potteries", *Occup Environ Med*, (55) 779-785 (1998); (5) "Is Silicosis Required for Silica-Associated Lung Cancer?", *American Journal of Industrial Medicine*, (37) 252- 259 (2000); (6) "Silica, Silicosis, and Lung Cancer: A Risk Assessment", *American Journal of Industrial Medicine*, (38) 8-18 (2000); (7) "Silica, Silicosis, and Lung Cancer: A Response to a Recent Working Group Report", *Journal of Occupational and Environmental Medicine*, (42) 704-720 (2000).

**C. AUTOIMMUNE DISEASES**

There is evidence that exposure to respirable crystalline silica (without silicosis) or that the disease silicosis may be associated with the increased incidence of several autoimmune disorders, -- scleroderma, systemic lupus erythematosus, rheumatoid arthritis and diseases affecting the kidneys. For a review of the subject, the following may be consulted: (1) "Antinuclear Antibody and Rheumatoid Factor in Silica-Exposed Workers", *Arh Hig Rada Toksikol*, (60) 185-90 (2009); (2) "Occupational Exposure to Crystalline Silica and Autoimmune Disease", *Environmental Health Perspectives*, (107) Supplement 5, 793-802 (1999); (3) "Occupational Scleroderma", *Current Opinion in Rheumatology*, (11) 490-494 (1999); (4) "Connective Tissue Disease and Silicosis", *Am J Ind Med*, (35), 375-381 (1999).

**D. TUBERCULOSIS**

Individuals with silicosis are at increased risk to develop pulmonary tuberculosis, if exposed to persons with tuberculosis. The following may be consulted for further information: (1) "Tuberculosis and Silicosis: Epidemiology, Diagnosis and Chemoprophylaxis", *J Bras Pneumol*, (34) 959-66 (2008); (2) *Occupational Lung Disorders*, Third Edition, Chapter 12, entitled "Silicosis and Related Diseases", Parkes, W. Raymond (1994); (3) "Risk of Pulmonary Tuberculosis Relative to Silicosis and Exposure to Silica Dust in South African Gold Miners," *Occup Environ Med*, (55) 496-502 (1998); (4) "Occupational Risk Factors for Developing Tuberculosis", *Am J Ind Med*, (30) 148-154 (1996).

**E. KIDNEY DISEASE**

There is evidence that exposure to respirable crystalline silica (without silicosis) or that the disease silicosis is associated with the increased incidence of kidney diseases, including end stage renal disease. For additional information on the subject, the following may be consulted: (1) "Mortality from Lung and Kidney Disease in a Cohort of North American Industrial Sand Workers: An Update", *Ann Occup Hyg*, (49) 367-73 (2005); (2) "Kidney Disease and Silicosis", *Nephron*, (85) 14-19 (2000); (3) "End Stage Renal Disease Among Ceramic Workers Exposed to Silica", *Occup Environ Med*, (56) 559-561 (1999); (4) "Kidney Disease and Arthritis in a Cohort Study of Workers Exposed to Silica", *Epidemiology*, (12) 405-412 (2001).

**SECTION XI – TOXICOLOGICAL INFORMATION, CONTD.****F. NON-MALIGNANT RESPIRATORY DISEASES**

NIOSH has cited the results of studies that report an association between dusts found in various mining operations and non-malignant respiratory disease, particularly among smokers, including bronchitis, emphysema, and small airways disease. *NIOSH Hazard Review – Health Effects of Occupational Exposure to Respirable Crystalline Silica*, published in April 2002, available from NIOSH, 4676 Columbia Parkway, Cincinnati, OH 45226, or at <https://www.cdc.gov/niosh/docs/2002-129/default.html>.

Respirable dust containing newly broken particles has been shown to be more hazardous to animals in laboratory tests than respirable dust containing older silica particles of similar size. Respirable silica particles which had aged for sixty days or more showed less lung injury in animals than equal exposures of respirable dust containing newly broken pieces of silica.

**Aluminum Oxide:**

Exposure route: Inhalation, ingestion, eye/skin contact.

Target organs: Respiratory system, gastrointestinal system, eyes, skin.

Acute effect: Inhalation or ingestion of high concentrations of this substance may cause gastrointestinal and/or upper respiratory tract irritation. Eye and skin irritant.

Chronic effect/carcinogenicity: Aluminum oxide is not classifiable as a human carcinogen. On occasion workers chronically exposed to aluminum-containing dusts or fumes have developed severe pulmonary reactions including fibrosis, emphysema and pneumothorax. Long-term exposure may have effects on the central nervous system.

**Sodium Oxide:**

Exposure route: Inhalation, ingestion, eye/skin contact.

Target organs: Respiratory system, gastrointestinal system, eyes, skin.

Acute effect: Corrosive – Sodium oxide reacts violently with water to form sodium hydroxide. Causes burns of skin, eyes, respiratory and gastrointestinal tracts, extremely destructive to mucous membranes.

Chronic effect/carcinogenicity: Not classifiable as human carcinogen.

**Iron Oxide: (Ferric Oxide)**

Exposure route: Inhalation, ingestion, skin

Target organs: Respiratory system, skin, eyes, neurological system

Acute effect: Major findings: stupor, shock, acidosis, hematemesis, bloody diarrhea or coma. Minor findings: vomiting, diarrhea, mild lethargy. Benign pneumoconiosis with X-ray shadows indistinguishable from fibrotic pneumoconiosis. Experimental work in animals exposed by intratracheal injection or by inhalation to iron oxide mixed with less than 5% silica has shown no evidence of fibrosis produced in lung tissue.

Chronic effect/carcinogenicity: Irritability, nausea or vomiting, and normocytic anemia. When exposed to levels greater than 50 to 100 milligram per day, it can result in pathological deposition of iron in the body tissues causing fibrosis of the pancreas, diabetes mellitus, and liver cirrhosis. Workers exposed to iron oxide fume and silica may develop a “mixed dust pneumoconiosis.” Not classifiable as human carcinogen.

**Potassium Oxide:**

Exposure route: Inhalation, ingestion, eye/skin contact.

Target organs: Respiratory system, gastrointestinal system, eyes, skin.

Acute effect: Corrosive – Potassium oxide reacts violently with water to produce potassium hydroxide. If inhaled, causes sore throat, cough, burning sensation and shortness of breath. Contact with skin produces pain and blisters. Severe deep burns, redness and pain occur with eye contact. Ingestion results in burning sensations, abdominal pain, shock or collapse.

Chronic effect/carcinogenicity: Not classifiable as human carcinogen.

**SECTION XI – TOXICOLOGICAL INFORMATION, CONTD.****Calcium Oxide:**

Exposure route: Inhalation, ingestion, skin/eye contact.

Target organs: Eyes, skin, respiratory system.

Acute effect: Direct contact with tissues, can result in burns and severe irritation because of its high reactivity and alkalinity. Major complaints of workers exposed to lime consist of irritation of the skin and eyes, although inflammation of the respiratory passages, ulceration and perforation of the nasal septum, and even pneumonia has been attributed to inhalation of the dust.

Chronic effect/carcinogenicity: Not classifiable as human carcinogen.

**Magnesium Oxide:**

Exposure route: Inhalation, eye/skin contact.

Target organs: Eyes, respiratory system.

Acute effect: Magnesium oxide dust caused slight irritation of the eyes and nose, conjunctivitis, inflammation of the mucous membrane, and coughing up discolored sputum after industrial exposures amongst workers exposed to an unspecified concentration of MgO.

Chronic effect/carcinogenicity: Not classifiable as human carcinogen.

**Calcium Carbonate:**

Exposure route: Inhalation, skin/eye contact.

Target organs: Eyes, skin, respiratory system.

Acute effect: Irritation of the eyes, skin and respiratory system and cough. It has been reported that there may be a silicosis risk when using impure limestone containing in excess of 3% quartz. However, it is claimed that pure calcium carbonate does not cause pneumoconiosis. Adverse health effects have generally not been reported in literature among workers using CaCO<sub>3</sub>.

Chronic effect/carcinogenicity: Not classifiable as human carcinogen

Acute Toxicity Estimates for Limestone – Not Available

**SECTION XII – ECOLOGICAL INFORMATION**

No data available for this product.

**SECTION XIII – DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD**

Collect and reuse clean materials. Dispose of waste materials only in accordance with applicable federal, state, and local laws and regulations.

The above information applies to Martin Marietta Materials product only as sold. The product may be contaminated during use and it is the responsibility of the user to assess the appropriate disposal method in that situation.

**SECTION XIV – TRANSPORT INFORMATION****DOT HAZARD CLASSIFICATION**

None

**PLACARD REQUIRED**

None

**LABEL REQUIRED**

Label as required by the OSHA Hazard Communication standard {29 CFR 1910.1200(f)}, and applicable state and local regulations.



**SECTION XV – REGULATORY INFORMATION**

OSHA: Crystalline Silica is not listed as a carcinogen.

SARA Title III: Section 311 and 312: Immediate health hazard and delayed health hazard.

TSCA: All components of the product appear on the EPA TSCA chemical substance inventory.

RCRA: Crystalline silica (quartz) is not classified as a hazardous waste under the Resource Conservation and Recovery Act, or its regulations, 40 CFR §261 et seq.

CERCLA: Crystalline silica (quartz) is not classified as a hazardous substance under regulations of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 40 CFR §302.4

EPCRA (Emergency Planning and Community Right to Know Act): Crystalline silica (quartz) is not an extremely hazardous substance under regulations of the Emergency Planning and Community Right to Know Act, 40 CFR Part 355, Appendices A and B and is not a toxic chemical subject to the requirements of Section 313.

Clean Air Act: Crystalline silica (quartz) mined and processed by Martin Marietta Materials was not processed with or does not contain any Class I or Class II ozone depleting substances.

FDA: Silica is included in the list of substances that may be included in coatings used in food contact surfaces, 21 CFR §175.300(b)(3). (The FDA standard primarily applies to products containing silica used in the coatings of food contact surfaces).

California Proposition 65: Respirable crystalline silica (quartz) is classified as a substance known to the state of California to be a carcinogen.

Massachusetts Toxic Use Reduction Act: Respirable crystalline silica is considered toxic per the Massachusetts Toxic Use Reduction Act when used in abrasive blasting and molding.

Pennsylvania Worker and Community Right to Know Act: Quartz is considered hazardous for purposes of the Act, but it is not a special hazardous substance or an environmental hazardous substance.

**SECTION XVI – OTHER INFORMATION****DEFINITIONS OF ACRONYMS/ABBREVIATIONS**

ACGIH: American Conference of Governmental Industrial Hygienists

AL: Action Level

ANSI: American National Standards Institute

APF: Assigned Protection Factor

California REL: California Inhalation Reference Exposure Limit

CAS: Chemical Abstracts Service

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act

CFR: US Code of Federal Regulations

DHHS: Department of Health and Human Services

EPA: Environmental Protection Agency

EPCRA: Emergency Planning and Community Right to Know Act

FDA: Food and Drug Administration

GHS: Globally Harmonized System

HEPA: High-Efficiency Particulate Air

IARC: International Agency for Research on Cancer

IDLH: Immediately Dangerous to Life and Health

MSHA: Mine Safety and Health Administration

NIOSH: National Institute for Occupational Safety and Health, US Department of Health and Human Services

NIOSH REL: NIOSH Recommended Exposure Limit

NTP: National Toxicology Program

OEL: Occupational Exposure Limit

OSHA: Occupational Safety and Health Administration, US Department of Labor

PEL: Permissible Exposure Limit

PMF: Progressive Massive Fibrosis

RCRA: Resource Conservation and Recovery Act

SARA Title III: Title III of the Superfund Amendments and Reauthorization Act, 1986

SDS: Safety Data Sheet

STOT: Specific Target Organ Toxicity

TLV: Threshold Limit Value

TSCA: Toxic Substance Control Act

TWA: Time-Weighted Average

**SECTION XVI – OTHER INFORMATION, CONTD.**

User's Responsibility: The OSHA Hazard Communication Standard 29 CFR 1910.1200 requires that this SDS be made available to your employees who handle or may be exposed to this product. Educate and train your employees regarding applicable precautions. Instruct your employees to handle this product properly.

Disclaimer: The information contained in this document applies to this specific material as supplied and Martin Marietta Materials believes that the information contained in this SDS is accurate. The suggested precautions and recommendations are based on recognized good work practices and experience as of the date of publication. They are not necessarily all-inclusive or fully adequate in every circumstance as not all use circumstances can be anticipated. It may not be valid for this material if it is used in combination with other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for one's own particular use. Since the actual use of the product described herein is beyond our control, Martin Marietta Materials, assumes no liability arising out of the use of the product by others. Appropriate warnings and safe handling procedures should be provided to handlers and users. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulation, rules or insurance requirement. However, product must not be used in a manner which could result in harm.

An electronic version of this SDS is available at [www.martinmarietta.com](http://www.martinmarietta.com). More information on the effects of crystalline silica exposure may be obtained from OSHA (phone number: 1-800-321-OSHA; website: <http://www.osha.gov>) or from NIOSH (phone number: 1-800-35-NIOSH; website: <http://www.cdc.gov/niosh>).

DATE OF PREPARATION 6/2018

REPLACES 3/2015

NO WARRANTY, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE IS MADE

# Certification of Insurance (COI)



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
09/26/2023

**THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.**

**IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).**

|   |   |  |                        |
|---|---|--|------------------------|
| <b>PRODUCER</b><br>MARSH USA LLC.<br>100 North Tryon Street, Suite 3600<br>Charlotte, NC 28202<br>Attn: CA NON-RESIDENT NO. OB22889<br><br>CN102458548-1.MMM-GAWX-23-24       | <b>CONTACT NAME:</b><br><b>PHONE (A/C. No. Ext):</b>                  |  | <b>FAX (A/C. No.):</b> |
|   | <b>E-MAIL ADDRESS:</b>  |  |                        |
| <b>INSURED</b><br>Bluegrass Materials Company, LLC<br>c/o Marin Marietta Materials, Inc.<br>Attn: Mr. Todd Crump<br>4123 Parklake Avenue<br>PO Box 30013<br>Raleigh, NC 27612 | <b>INSURER(S) AFFORDING COVERAGE</b>                                  |  | <b>NAIC #</b>          |
|   | <b>INSURER A :</b> American Zurich Insurance Company                  |  | 40142                  |
|   | <b>INSURER B :</b> American Guarantee and Liability Insurance Company |  | 26247                  |
|   | <b>INSURER C :</b>  |  |                        |
|   | <b>INSURER D :</b>  |  |                        |
|   | <b>INSURER E :</b>  |  |                        |

### COVERAGES

**CERTIFICATE NUMBER:**

ATL-005493470-03

**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE  | ADDL INSD | SUBR WVD | POLICY NUMBER  | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS  |              |
|----------|--|-----------|----------|----------------|-------------------------|-------------------------|---|--------------|
| A        | <input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b><br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br><br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC<br>OTHER: |           |          | GLO987504402   | 09/30/2023              | 09/30/2024              | EACH OCCURRENCE   | \$ 3,000,000 |
|          |  |           |          |                |                         |                         | DAMAGE TO RENTED PREMISES (Ea occurrence)                                       | \$ 50,000    |
|          |  |           |          |                |                         |                         | MED EXP (Any one person)  | \$           |
|          |  |           |          |                |                         |                         | PERSONAL & ADV INJURY   | \$ 3,000,000 |
|          |  |           |          |                |                         |                         | GENERAL AGGREGATE   | \$ 6,000,000 |
|          |  |           |          |                |                         |                         | PRODUCTS - COMP/OP AGG  | \$ 6,000,000 |
|          |  |           |          |                |                         |                         |   | \$           |
| A        | <input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b><br><input checked="" type="checkbox"/> ANY AUTO<br><input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS<br><input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY     |           |          | BAP987504502   | 09/30/2023              | 09/30/2024              | COMBINED SINGLE LIMIT (Ea accident)   | \$ 5,000,000 |
|          |  |           |          |                |                         |                         | BODILY INJURY (Per person)  | \$           |
|          |  |           |          |                |                         |                         | BODILY INJURY (Per accident)  | \$           |
|          |  |           |          |                |                         |                         | PROPERTY DAMAGE (Per accident)  | \$           |
|          |  |           |          |                |                         |                         |   | \$           |
| B        | <input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR<br><input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE<br>DED RETENTION \$  |           |          | AUC 3293761-02 | 09/30/2023              | 09/30/2024              | EACH OCCURRENCE   | \$ 1,000,000 |
|          |  |           |          |                |                         |                         | AGGREGATE   | \$ 1,000,000 |
|          |  |           |          |                |                         |                         |   | \$           |
| A        | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> N/A<br>(Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below                  |           |          | WC987504702    | 09/30/2023              | 09/30/2024              | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER |              |
|          |  |           |          |                |                         |                         | E.L. EACH ACCIDENT  | \$ 2,000,000 |
|          |  |           |          |                |                         |                         | E.L. DISEASE - EA EMPLOYEE  | \$ 2,000,000 |
|          |  |           |          |                |                         |                         | E.L. DISEASE - POLICY LIMIT   | \$ 2,000,000 |

### DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: Mining License Number 28473

Certificate holder is additional insured (except Workers' Compensation) as their interest may appear, if required by written contract with the named insured, subject to the terms and conditions of the policies.

General liability and auto liability insurance apply on a primary and non-contributory basis, if required by written contract, and subject to policy terms and conditions. A waiver of subrogation applies under General Liability, Automobile Liability, and Workers Compensation in favor of the certificate holder, if required by written contract with the named insured, subject to the terms and conditions of the policies.

### CERTIFICATE HOLDER

Department of Environmental Protection  
Bureau of Mining Programs  
P.O. Box 8461  
Harrisburg, PA 17105-8461

### CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

*Marsh USA LLC*

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# EJ Report



Martin Marietta has reviewed the Environmental Justice Screening Tool, beta version for the communities surrounding the Pinesburg Quarry at 14932 Bottom Road, Williamsport, MD 21795 (the “Facility”). The census identified tracts and their associated Environmental Justice (EJ) Scores are listed in the table shown below.

The Facility is not a major pollutant source. Quarrying and associated activities generally have limited impact on the communities in which they operate. Moreover, those limited impacts diminish rapidly with distance to any receptor. The census designated tracts evaluated below are rural in nature. The closest residence to the Facility is 14924 Bottom Road, Williamsport, MD and there are ninety-three (93) residents within 1,000 feet of the Facility.

In reviewing the pollutants considered under the MDE’s environmental Justice Screening methodology, the Facility generates dust (aka particulate matter or PM) from blasting and equipment traffic. The Facility also maintains a permitted discharge to the Potomac River and that permit contains limits on total suspended solids (“TSS”). Finally, the Facility could have noise impacts beyond its boundary.

Martin Marietta maintains and complies with the following permits: Surface Mining Permit, Surface Mining License, NPDES Discharge Permit, Water Appropriations Permit, Air Permit, Oil Control Permit, and Scrap Tire General License. These permits have numerous requirements to protect our neighbors and the environment. The Facility uses a number of methods to comply with these permits, including the following:

To control dust emissions from on-site mobile equipment, the Facility operates a 9,000 gallon water truck, even during storm events. High pressure water sprays are utilized at dust producing points on the processing equipment to control any dust emissions. The Facility exit utilizes a wheel wash to prevent dust from being generated and/or tracked out by customer haul trucks. Finally, in accordance with State and Federal air regulations, the Facility operates so as to ensure that there are no visible emissions beyond its fence line.

To control TSS discharges from the Facility, settling pond systems are utilized to treat process and stormwater on site. These ponds are designed to ensure that TSS will settle to the bottom and therefore be removed from any discharge water. Further, this system is designed to minimize discharges. Water utilized in the process and to control dust is generally retained on site. For storm events or in the event there is more process water than can be retained on site, water samples are also collected monthly and reported to MDE quarterly that demonstrate compliance with the TSS and other limits of the NPDES permit.

Martin Marietta Materials, Inc. – Pinesburg Quarry received the 2022 Silver Environmental Excellence Award presented by the National Stone, Sand & Gravel Association. Environmental Excellence Awards are presented annually to recognize producers actively contributing to the maintenance of the environment in and around their operations as evidenced by a corporate commitment to the exemplary use of environmental controls and systems. It is important to note that the Pinesburg Quarry has maintained and exceeded environmental compliance for many years to ensure the surrounding community is not negatively impacted by the operations at the quarry.



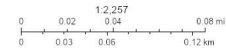
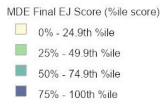
# MDE Screening Report

## Area of Interest (AOI) Information

Area : 3.14 mi<sup>2</sup>

May 6 2024 14:05:29 Eastern Daylight Time

Tabloid ANSI B Landscape



MDE, OS, OMT, Esri Community Maps Contributors, Veatch MD, West Virginia GIS, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SatNav, GeoTechnology, Inc, METRACIA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

| Name  | Count | Area(mi <sup>2</sup> ) | Length(mi) |
|---|-------|------------------------|------------|
| MDE Final EJ Score (%ile score)   | 1     | 2.16                   | N/A        |
| Overburdened Communities Combined Score   | 1     | 2.16                   | N/A        |
| Overburdened Pollution Environmental Score (%ile score)                         | 1     | 2.16                   | N/A        |
| Overburdened Exposure Score (%ile score)  | 1     | 2.16                   | N/A        |
| Overburdened Sensitive Population (%ile score)                                  | 1     | 2.16                   | N/A        |
| Socioeconomic/Demographic Score 2020 (Percentile score) (Underserved Community) | 1     | 2.16                   | N/A        |
| Air Emissions Facilities  | 1     | N/A                    | N/A        |
| Sulfur Dioxide (2010)   | 0     | 0                      | N/A        |
| Ozone (2015)  | 1     | 2.36                   | N/A        |
| Fine Particles (2012)   | 1     | 2.36                   | N/A        |
| Biosolids FY 2020 and Current Permit Details                                    | 0     | N/A                    | N/A        |
| Biosolids FY2010 - 2014 Permit Details  | 0     | N/A                    | N/A        |
| Biosolids FY2009 Expired Permit Details   | 0     | N/A                    | N/A        |
| Biosolids FY 2020 and Current Permits Distribution By Acreage                   | 1     | 2.16                   | N/A        |
| Biosolids FY2015 - 2019 Permits Distribution By Acreage                         | 1     | 2.16                   | N/A        |
| Biosolids FY2010 - 2014 Permits Distribution By Acreage                         | 1     | 2.16                   | N/A        |
| Biosolids FY2009 Permits Expired Distribution By Acreage                        | 1     | 2.16                   | N/A        |
| Biosolids FY 2020 and Current Permit Distribution By Percent Coverage           | 1     | 2.16                   | N/A        |
| Biosolids FY2015 - 2019 Permit Distribution By Percent Coverage                 | 1     | 2.16                   | N/A        |
| Biosolids FY2010 - 2014 Permit Distribution By Percent Coverage                 | 1     | 2.16                   | N/A        |
| Biosolids FY2009 Expired Permit Distribution By Percent Coverage                | 1     | 2.16                   | N/A        |
| Concentrated Animal Feeding Operations (CAFOs)                                  | 0     | N/A                    | N/A        |
| Composting Facilities   | 0     | N/A                    | N/A        |
| Food Scrap Acceptors  | 0     | N/A                    | N/A        |
| Landfills   | 0     | N/A                    | N/A        |
| Correctional Facilities   | 0     | N/A                    | N/A        |
| Industrial Food Suppliers   | 0     | N/A                    | N/A        |
| Residential Colleges  | 0     | N/A                    | N/A        |
| Non-Residential Colleges  | 0     | N/A                    | N/A        |
| Hospitals   | 0     | N/A                    | N/A        |
| High Schools  | 0     | N/A                    | N/A        |
| Grocery Stores  | 0     | N/A                    | N/A        |
| 10 Miles from Landfill  | 2     | 6.28                   | N/A        |
| 10 Miles from Composting Facility   | 1     | 3.14                   | N/A        |
| General Composting Facilities Tier 2 (MD)                                       | 0     | N/A                    | N/A        |
| Commercial Anaerobic Digester (MD)  | 0     | N/A                    | N/A        |
| Out of State Facilities   | 0     | N/A                    | N/A        |
| 30 mile buffer (Maryland)   | 1     | 3.14                   | N/A        |
| 30 Mile Buffer (Out of State)   | 1     | 3.14                   | N/A        |
| Land Restoration Facilities   | 0     | N/A                    | N/A        |
| Determinations (points)   | 0     | N/A                    | N/A        |
| Determinations (areas)  | 0     | 0                      | N/A        |
| Entities  | 0     | N/A                    | N/A        |
| Active Coal Mine Sites  | 0     | N/A                    | N/A        |
| Historic Mine Facilities  | 0     | N/A                    | N/A        |



|   |   |     |     |
|---|---|-----|-----|
| All Permitted Solid Waste Acceptance Facilities | 0 | N/A | N/A |
| Municipal Solid Waste Acceptance Facilities     | 0 | N/A | N/A |
| Maryland Dam Locations                          | 0 | N/A | N/A |
| Maryland Pond Locations                         | 5 | N/A | N/A |
| Surface Water Intakes                           | 0 | N/A | N/A |
| Wastewater Discharge Facilities                 | 2 | N/A | N/A |
| Drinking Water                                  | 0 | N/A | N/A |
| Clean Water                                     | 0 | N/A | N/A |

MDE Final EJ Score (%ile score)

| # | Census tract identifier | Geographic Area Name                          | Total Population | Final EJ Score Percent (for this tract) | Final EJ Score Percentile (Distribution across Maryland) | Area(mi²) |
|---|-------------------------|---|------------------|---|--|-----------|
| 1 | 24043011700             | Census Tract 117, Washington County, Maryland | 5389             | 30.90                                   | 57.83  | 2.16      |

Overburdened Communities Combined Score

| # | GEOID20     | Geographic_Area_Name                          | TotalPop | Overburd_Exposure_Percent | Overburd_Exposure_Percentile | Overburd_Poll_Enviro_Percent | Overburd_Poll_Enviro_Percentile | Sensitive_Population_Percent |
|---|-------------|---|----------|---------------------------|------------------------------|------------------------------|---------------------------------|------------------------------|
| 1 | 24043011700 | Census Tract 117, Washington County, Maryland | 5,389    | 45.09                     | 38.48                        | 8.94                         | 58.92                           | 76.41                        |

| # | Sensitive_Population_Percentile | OverburdenedAllPercent | OverburdenedAllPercentile | Area(mi²) |
|---|---------------------------------|------------------------|---------------------------|-----------|
| 1 | 85.92                           | 84.21                  | 80.72                     | 2.16      |

Overburdened Pollution Environmental Score (%ile score)

| # | GEOID20     | Geographic_Area_Name                          | RentalsOccupiedPer99Percent | Percentile | PercentRMP | PercentRMPEJ | PercentHazWaste | PercentHazWaste EJ |
|---|-------------|---|-----------------------------|------------|------------|--------------|-----------------|--------------------|
| 1 | 24043011700 | Census Tract 117, Washington County, Maryland | 9.69                        | 52.70      | 6.09       | 9.81         | 6.67            | 11.77              |

| # | PercentSuperFund NPL | PercentSuperFund NPLEJ | PercentHazWW | PercentHazWWEJ | BrownFPercent | Percentile_1 | PercentPowerPlans | Percentile_12 |
|---|----------------------|------------------------|--------------|----------------|---------------|--------------|-------------------|---------------|
| 1 | 7.47                 | 12.91                  | 50.58        | 32.73          | 0.00          | 0.00         | 0.00              | 0.00          |

| # | PercentCAFOS | Percentile_12_13 | PercentActiveMines | Percentile_12_13_14 | PollutionEnvironmentalPercent | PollInEnvironmentalPercentile | Area(mi²) |
|---|--------------|------------------|--------------------|---------------------|-------------------------------|-------------------------------|-----------|
| 1 | 0.00         | 0.00             | 0.00               | 0.00                | 8.94                          | 58.92                         | 2.16      |

Overburdened Exposure Score (%ile score)

| # | GEOID20     | Geographic_Area_Name                          | Total_Pop | PercentNATA_Cancer | Percentile_NATA_Cancer | PercentNATA_Resp_HI | Percentile_NATA_Resp_HI | PercentNATA_Diesel |
|---|-------------|---|-----------|--------------------|------------------------|---------------------|-------------------------|--------------------|
| 1 | 24043011700 | Census Tract 117, Washington County, Maryland | 5,389.00  | 60.00              | 14.78                  | 60.00               | 9.77                    | 23.15              |

| # | Percentile_NATA_Diesel | PercentNATA_PM25 | PercentileNATA_PM25 | PercentOzone | PercentileOzone | PercentTraffic | PercentileTraffic | PercentTRI |
|---|------------------------|------------------|---------------------|--------------|-----------------|----------------|-------------------|------------|
| 1 | 9.24                   | 93.39            | 11.77               | 85.78        | 6.32            | 0.65           | 4.16              | 21.05      |

| # | PercentileTRI | PercentHazWasteLF | Percentile_HazWasteLF | PollutionExposurePercent | PollutionExposurePercentile | Area(mi²) |
|---|---------------|-------------------|-----------------------|--------------------------|-----------------------------|-----------|
| 1 | 97.20         | 16.67             | 95.49                 | 45.09                    | 38.48                       | 2.16      |

Overburdened Sensitive Population (%ile score)

| # | GEOID20     | Geographic_Area_Name                          | PerAstma | PercentileAst | PerMyo | PercentileMyo | PerLow | PercentileLow |
|---|-------------|---|----------|---------------|--------|---------------|--------|---------------|
| 1 | 24043011700 | Census Tract 117, Washington County, Maryland | 87.38    | 92.82         | 87.88  | 91.25         | 46.73  | 68.15         |

| # | PercentBroad | PercentileBroad | PercentSens | PercentileSens | Area(mi²) |
|---|--------------|-----------------|-------------|----------------|-----------|
| 1 | 16.32        | 88.65           | 59.57       | 85.22          | 2.16      |

## Socioeconomic/Demographic Score 2020 (Percentile score) (Underserved Community)

| # | Census tract identifier | Geographic Area Name                          | Total Population | Percent Poverty | Percent Minority | Percent Limited English Proficiency | Demographic Score (Percent for this tract) | Demographic Score (Percentile Distribution across Maryland) | Area(mi <sup>2</sup> ) |
|---|-------------------------|---|------------------|-----------------|------------------|-------------------------------------|--|---|------------------------|
| 1 | 24043011700             | Census Tract 117, Washington County, Maryland | 5,389            | 23.27           | 6.66             | 0.00                                | 9.98                                       | 16.45   | 2.16                   |

## Air Emissions Facilities

| # | Agency Interest ID | Facility Name                      | Agency Interest Alt Name                | Premises ID | Emission Year | Air Code | NAIC Code | NAIC Description                                  |
|---|--------------------|------------------------------------|---|-------------|---------------|----------|-----------|---|
| 1 | 7764               | Martin Marietta - Pinesburg Quarry | Martin Marietta - Pinesburg Quarry-7764 | 043-0115    | 2021          | SOP      | 212,312   | Crushed and Broken Limestone Mining and Quarrying |

| # | Physical Address | Physical City | Physical State | Physical Zip Code | County     | Carbon Monoxide (CO) | Nitrous Oxide | Particulate Matter (PT) |
|---|------------------|---------------|----------------|-------------------|------------|----------------------|---------------|-------------------------|
| 1 | 14932 Bottom Rd  | Williamsport  | MD             | 21,795            | Washington | 0.01                 | 0.01          | 49.72                   |

| # | Particulate Matter (10 Filterable) | Particulate Matter (2.5 Filterable) | PM Condensables | Volatile Organic Compounds (VOC) | Sulphur Dioxide (SOx) | Carbon Dioxide | Mercury | Methane |
|---|------------------------------------|-------------------------------------|-----------------|----------------------------------|-----------------------|----------------|---------|---------|
| 1 | 18.25                              | 2.41                                | 0.00            | 0.00                             | 0.00                  | 5.41           | 0.00    | 0.00    |

| # | Billable Criteria Pollutants (BCRI) | Billable Hazardous Pollutants (BHAP) | Total Billable and Non-Billable Hazardous Air Pollutant Emissions (HAPS) | Count |
|---|-------------------------------------|--------------------------------------|--|-------|
| 1 | 18.27                               | 0.00                                 | 0.00   | 1     |

## Ozone (2015)

| # | STATEFP10 | COUNTYFP10 | COUNTYNS10 | GEOID10 | NAME10     | Ozone NAA Area | 8-Hr Ozone (2015) Designation | 8-HR Ozone (2015) Classification | 8-Hr Ozone (2015) Status | Area(mi <sup>2</sup> ) |
|---|-----------|------------|------------|---------|------------|----------------|-------------------------------|----------------------------------|--------------------------|------------------------|
| 1 | 24        | 043        | 01714220   | 24043   | Washington | No Data        | Attainment/Unclassifiable     | No Data                          | No Data                  | 2.36                   |

## Fine Particles (2012)

| # | STATEFP10 | COUNTYFP10 | COUNTYNS10 | GEOID10 | NAME10     | PM2.5 (2012) Status       | Area(mi <sup>2</sup> ) |
|---|-----------|------------|------------|---------|------------|---------------------------|------------------------|
| 1 | 24        | 043        | 01714220   | 24043   | Washington | Attainment/Unclassifiable | 2.36                   |

## Biosolids FY 2020 and Current Permits Distribution By Acreage

| # | County Name | FY2020andAfter | Area(mi <sup>2</sup> ) |
|---|-------------|----------------|------------------------|
| 1 | Washington  | 158.10         | 2.16                   |

## Biosolids FY2015 - 2019 Permits Distribution By Acreage

| # | County Name | FY2015to2019 | Area(mi <sup>2</sup> ) |
|---|-------------|--------------|------------------------|
| 1 | Washington  | 97.30        | 2.16                   |

## Biosolids FY2010 - 2014 Permits Distribution By Acreage

| # | County Name | FY2010to2014 | Area(mi <sup>2</sup> ) |
|---|-------------|--------------|------------------------|
| 1 | Washington  | 289.10       | 2.16                   |

## Biosolids FY2009 Permits Expired Distribution By Acreage

| # | County Name | FY2009  | Area(mi <sup>2</sup> ) |
|---|-------------|---------|------------------------|
| 1 | Washington  | No Data | 2.16                   |

## Biosolids FY 2020 and Current Permit Distribution By Percent Coverage

| # | County Name | FY2020andAfter | Area(mi <sup>2</sup> ) |
|---|-------------|----------------|------------------------|
| 1 | Washington  | 158.10         | 2.16                   |

## Biosolids FY2015 - 2019 Permit Distribution By Percent Coverage

| # | County Name | FY2015to2019 | Area(mi <sup>2</sup> ) |
|---|-------------|--------------|------------------------|
| 1 | Washington  | 97.30        | 2.16                   |

## Biosolids FY2010 - 2014 Permit Distribution By Percent Coverage

| # | County Name | FY2010to2014 | Area(mi <sup>2</sup> ) |
|---|-------------|--------------|------------------------|
| 1 | Washington  | 289.10       | 2.16                   |

## Biosolids FY2009 Expired Permit Distribution By Percent Coverage

| # | County Name | FY2009  | Area(mi <sup>2</sup> ) |
|---|-------------|---------|------------------------|
| 1 | Washington  | No Data | 2.16                   |

## 10 Miles from Landfill

| # | County     | Type | Facility_N                    | ADDRESS                                     | FILL | SITE__ACRE | AI_No_    | Owner_Type |
|---|------------|------|-------------------------------|---|------|------------|-----------|------------|
| 1 | WASHINGTON | WMF  | Forty West MunicipalLandfill  | 12630 Earth Care Rd, Hagerstown MD 21722.   | 189  | 425.00     | 23,243.00 | CTY        |
| 2 | WASHINGTON | WRF  | Washington Co. RubbleLandfill | 11112 Kemps Mill Rd, Williamsport MD 21740. | 75   | 100.00     | 23,096.00 | CTY        |

| # | MD_GRID_E | PERMITNUMB     | EXPIRATION          | Area(mi <sup>2</sup> ) |
|---|-----------|----------------|---------------------|------------------------|
| 1 | 575 /673  | 2014-WMF-0266A | 10/27/2019, 8:00 PM | 3.14                   |
| 2 | 568 /652  | 2014-WRF-0270  | 10/27/2019, 8:00 PM | 3.14                   |

## 10 Miles from Composting Facility

| # | County  | Facility         | Address                                   | Accepts_Fo | Location_o                                | Area(mi <sup>2</sup> ) |
|---|---------|------------------|---|------------|---|------------------------|
| 1 | No Data | 40 West Landfill | 12630 Earth Care Rd, Hagerstown, MD 21740 | No         | 12630 Earth Care Rd, Hagerstown, MD 21740 | 3.14                   |

## 30 mile buffer (Maryland)

| # | Facility_Name_1                       | Facility_Contact_1 | Contact_Phone  | Contact_Email_1     | Contact_2 | Contact_2_Phone | Contact_2_Email | URL   | Area(mi <sup>2</sup> ) |
|---|---------------------------------------|--------------------|----------------|---------------------|-----------|-----------------|-----------------|---|------------------------|
| 1 | Key City Compost at Utica Bridge Farm | Phil Westcott      | (240) 608-0283 | info@keycompost.com | No Data   | No Data         | No Data         | <a href="https://www.keycompost.com/">https://www.keycompost.com/</a> | 3.14                   |

## 30 Mile Buffer (Out of State)

| # | FacilityName   | Contact   | Area(mi <sup>2</sup> ) |
|---|----------------|---|------------------------|
| 1 | Wilson College | <a href="https://files.dep.state.pa.us/Waste/Bureau%20of%20Waste%20Management/WasteMgtPortalFiles/PA_Permitted_Food_Waste_Composting_Facilities.pdf">https://files.dep.state.pa.us/Waste/Bureau%20of%20Waste%20Management/WasteMgtPortalFiles/PA_Permitted_Food_Waste_Composting_Facilities.pdf</a> | 3.14                   |

## Maryland Pond Locations

| # | Facility Type | DAM HEIGHT | County | HAZARD CLASS | 6 DIGIT WATERSHED | 8 DIGIT WATERSHED | Count |
|---|---------------|------------|--------|--------------|-------------------|-------------------|-------|
|---|---------------|------------|--------|--------------|-------------------|-------------------|-------|

## Wastewater Discharge Facilities

| # | AID    | FAC_NAME                           | Comments | ValidateCo  | GIS_Action | GIS_Comments | Corrective | ZipCodeCom |
|---|--------|------------------------------------|----------|---|------------|--------------|------------|------------|
| 1 | 32,994 | Pinesburg Quarry                   | No Data  | Data Verified Accurate Against MD 8 Digit Watershed | No Data    | No Data      | No Data    | No Data    |
| 2 | 22,110 | C. William Hetzer, Inc - Shale Pit | No Data  | Data Verified Accurate Against MD 8 Digit Watershed | No Data    | No Data      | No Data    | No Data    |

| # | CBSEG_92 | BAY_TRIB | MD12DIG      | County | MDMajorTrib | HUC          | Tier2Catchments_yn | Tier2Catchments |
|---|----------|----------|--------------|--------|-------------|--------------|--------------------|-----------------|
| 1 | POTTF_MD | 02140501 | 021405010164 | 22     | 1           | 020700041103 | 0                  | No Data         |
| 2 | POTTF_MD | 02140501 | 021405010164 | 22     | 1           | 020700041103 | 0                  | No Data         |

| # | Tier3Catchments_yn | Tier3Catchments | SSPRA_yn | SSPRA   | Impaired_yn | Impaired        | WQA_yn | WQA                          |
|---|--------------------|-----------------|----------|---------|-------------|-----------------|--------|------------------------------|
| 1 | 0                  | No Data         | 1        | GROUP 2 | 1           | Sediments, Ions | 1      | Nutrients(Phosphorous), (DO) |
| 2 | 0                  | No Data         | 0        | No Data | 1           | Ions, Sediments | 1      | Nutrients(Phosphorous), (DO) |

| # | T3038Dig_yn | T3038Dig | TMDL8Dig_yn | TMDL8Dig  | MHTArcheo_yn | MHTArcheo | Facility_Type | State_Num |
|---|-------------|----------|-------------|-----------|--------------|-----------|---------------|-----------|
| 1 | 1           | Ions     | 1           | Sediments | 0            | No Data   | No Data       | No Data   |
| 2 | 1           | Ions     | 1           | Sediments | 0            | No Data   | No Data       | No Data   |

| # | WatershedYear | WatershedQuarter | WatershedCode | WatershedName | SimplePermittingAction | PermitAge | CycleYear | PreDraftComplete |
|---|---------------|------------------|---------------|---------------|------------------------|-----------|-----------|------------------|
| 1 | No Data       | No Data          | No Data       | No Data       | No Data                | No Data   | No Data   | No Data          |
| 2 | No Data       | No Data          | No Data       | No Data       | No Data                | No Data   | No Data   | No Data          |

| # | DatePreDraftComplete | DraftPermitCompleteBy | IssueBy | AppFee  | Bill | Amount | DSCHG_RATE | SW_AUTH_ROD |
|---|----------------------|-----------------------|---------|---------|------|--------|------------|-------------|
| 1 | No Data              | No Data               | No Data | No Data | 0    | 0.00   | 0.00       | 0           |
| 2 | No Data              | No Data               | No Data | No Data | 0    | 0.00   | 0.00       | 0           |

| # | P2_OR_C_Bay_2000 | District | SurWellName | SurWellSource | SurWellDist | CommWellName | CommWellSource | CommWellDist |
|---|------------------|----------|-------------|---------------|-------------|--------------|----------------|--------------|
| 1 | 0                | 1C       | No Data     | No Data       | -99.00      | No Data      | No Data        | -99.00       |
| 2 | 0                | 1C       | No Data     | No Data       | -99.00      | No Data      | No Data        | -99.00       |

| # | CommWellProtect | Active | Include | ManualActive | Count |
|---|-----------------|--------|---------|--------------|-------|
| 1 | 0               | 1      | 1       | 1            | 1     |
| 2 | 0               | 1      | 1       | 1            | 1     |

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Whitney D. McGuigan  
Environmental Engineer | Environmental Services  
East Division

August 22, 2024

Ms. Kathryn Rathvon, Zoning Coordinator  
Division of Planning & Zoning  
747 Northern Avenue  
Hagerstown, Maryland 21742

Dear Ms. Rathvon:

This letter is an official request for a zoning confirmation letter from the Washington County Division of Planning & Zoning for the Martin Marietta Materials, Inc. – Pinesburg Quarry located at 14932 Bottom Road, Williamsport, MD 21795. Tax Account # - 23006677; owner Martin Marietta Materials, Inc. The letter should be addressed to Whitney McGuigan, 233 Stevenson Road, North East, MD 21901. The required \$100.00 fee was previously mailed dated 5/20/2024.

If you need additional information please let me know.

Sincerely,

A handwritten signature in black ink that reads 'Whitney D. McGuigan'.

Whitney D. McGuigan



Washington County

M A R Y L A N D

DEPARTMENT OF PLANNING & ZONING

PLANNING | ZONING | LAND PRESERVATION | FOREST CONSERVATION | GIS

August 29, 2024

Whitney McGuigan  
233 Stevenson Road  
North East MD 21901

RE: Request for Martin Marietta Materials Inc.-Pinesburg Quarry located at 14932 Bottom Road, Williamsport, MD 21795 Parcel ID: 23006677

To Whom it may Concern,

In response to your request for information regarding the above-reference properties we have researched our files and present the following:

- The zoning classifications for the subject property:
  - Environmental Conservation District which is governed by Article 5B in the Washington County Zoning Ordinance.
  - Agricultural Rural District which is governed by Article 5A in the Washington County Zoning Ordinance.
- The property also has an Industrial Mineral Overlay established on the property. The Industrial Mineral Overlay is governed by Article 15 in the Washington County Zoning Ordinance.

This information was researched on August 29, 2024 by the undersigned per request and as a public service. The undersigned certifies that the above information contained herein is believed to be accurate and is based upon or relates to the information supplied by the requestor. The Authority assumes no liability for errors or omissions. All information was obtained from public records which may be inspected during regular business hours.

Sincerely,

Katie Rathvon  
Zoning Coordinator

## ARTICLE 5B – "EC" ENVIRONMENTAL CONSERVATION DISTRICT<sup>56</sup>

### Section 5B.0 Purpose

The purpose of this district is to prescribe a zoning category for those areas where, because of natural geographic factors and existing land uses, it is considered feasible and desirable to conserve open spaces, water supply sources, woodland areas, wildlife and other natural resources. This district may include extensive steeply sloped areas, stream valleys, water supply sources, and wooded areas adjacent thereto.

### Section 5B.1 Principal Permitted Uses and Accessory Uses

See the Table of Land Uses [Section 3.3, Table No. 3.3(1)]

### Section 5B.2 Special Exceptions

See the Table of Land Uses [Table No. 3.3(1)] and any use the Board of Appeals finds is functionally similar to any permitted use or special exception listed in the table for this district. The Board of Appeals shall not grant any special exception that is inconsistent with the purpose set forth for this district.

### Section 5B.3 Criteria

The maximum density in the Environmental Conservation zoning district shall be one (1) dwelling unit per twenty (20) acres of land owned minus the lot area taken off under Section 5B.4.

### Section 5B.4 Exemptions

- (a) Each parcel of land of sufficient size as of October 29, 2002 shall be permitted to subdivide up to three (3) lots, which may be increased to a maximum of five (5) lots based on a sliding scale of one additional lot for each fifty (50) acres of land. The minimum lot size shall be the minimum lot size for the zoning of the property prior to the effective date of this amendment. Additional lots permitted under the zone will then be calculated on the remaining acreage based on one lot for every twenty acres.
- (b) Additional exemptions are available for the preservation of historic properties listed on the County Inventory of Historic Sites, the National Register of Historic Places or the Maryland Historical Trust's Inventory of Historic Sites. A lot may be created around the existing historic site/structure along with two additional lots on the original parcel upon the owner requesting and the Board of County Commissioners approving the placement of an "HP" Historic Preservation District Overlay designation on the lot with the historical site or structure.

Section 5B.5 Residential Lot Size and Bulk Dimensions<sup>57</sup>

|                           | Lot Area       | Lot Width | Lot Area/Family | Front Yard | Side Yard | Rear Yard | Height |
|---------------------------|----------------|-----------|-----------------|------------|-----------|-----------|--------|
| Dwelling, Single Family   | 40,000 sq. ft. | 100 ft.   | 40,000 sq. ft.  | 40 ft.     | 15 ft.    | 50 ft.    | 40 ft. |
| Dwelling, Two-Family      | 40,000 sq. ft. | 100 ft.   | 20,000 sq. ft.  | 40 ft.     | 15 ft.    | 50 ft.    | 40 ft. |
| Dwelling, Semi-Detached** | 20,000 sq. ft. | 50 ft.    | 20,000 sq. ft.  | 40 ft.     | 15 ft.    | 50 ft.    | 40 ft. |

\*\* Semi-detached dwellings are special exception uses in this district and require Board of Zoning Appeals approval.

Section 5B.6 Non-Residential Lots Size and Bulk Dimensions (not covered in Rural Business)<sup>58 59</sup>

This section covers uses listed in the Table of Land Uses [Table No. 3.3(1)] that are principally permitted and that are not governed by the Rural Business floating zone.

|   | Lot Area | Lot Width | Front Yard | Side Yard | Rear Yard |
|---|----------|-----------|------------|-----------|-----------|
| Banquet/Reception Facilities                  | 5 acres  | 300 ft.   | 50 ft.     | 100 ft.   | 50 ft.    |
| Schools, Elementary                           | 15 Acres | 400 ft.   | 150 ft.    | 100 ft.   | 50 ft.    |
| Schools, Middle                               | 30 Acres | 500 ft.   | 150 ft.    | 100 ft.   | 50 ft.    |
| Schools, High                                 | 60 Acres | 500 ft.   | 150 ft.    | 100 ft.   | 50 ft.    |
| Churches                                      | 2 Acres  | 200 ft.   | 100 ft.    | 50 ft.    | 50 ft.    |
| Other Principal Permitted or Conditional Uses | 3 Acres  | 300 ft.   | 50 ft.     | 50 ft.    | 50 ft.    |

Section 5B.7 Special Provisions<sup>60</sup>

1. New development adjacent to existing Industrial Mineral (IM) zoning districts shall have a setback of 200 feet from all shared property lines.
2. Developments opting to use the clustering provision outlined in Article 22, Division VIII of this Ordinance may reduce side yard setbacks to a minimum of 15 feet from adjacent property lines created by the new development.
3. Side yard setbacks for residential use lots shall be a minimum of 50 ft. for lots twenty (20) acres or greater in size.

<sup>56</sup> Revision 16, Section 5B.5 amended 8/4/09 (RZ-09-001)

<sup>57</sup> Revision 15, Section 5B.6 amended 9/19/06 (RZ-06-007)

<sup>59</sup> Revision 18, Section 5B.6 amended 1/16/18 (RZ-07-007/ORD-2018-13)

<sup>60</sup> Revision 16, Section 5B.7 amended 8/4/09 (RZ-09-001)



4. Side yard setbacks for residential use lots that are contiguous to parcels with permanent easements or parcels in areas designated as priority agricultural preservation areas or transferable development rights sending areas shall have minimum setbacks of 50 feet.
5. The Planning Commission may increase minimum setbacks up to 50 feet for properties adjacent to parcels that are being actively farmed or parcels with an Agricultural district designation.

## ARTICLE 5A – "A(R)" AGRICULTURAL (RURAL) DISTRICT<sup>51</sup>

### Section 5A.0 Purpose

The purpose of this district is to provide for continued farming activity and the many uses that do not require public water and sewerage facilities and which may be more suitably located outside of the urban-type growth of the larger communities of the County. The Agricultural zoning district has been purposely drawn to enclose large blocks of the best soils for intensive agricultural production as well as gently rolling topography for farming. Most of the operating farms as well as the largest block of farmland preserved through the Agricultural Preservation Program is located in this area.

### Section 5A.1 Principal Permitted Uses and Accessory Uses

See the Table of Land Uses [Section 3.3, Table No. 3.3(1)]

### Section 5A.2 Special Exceptions

See the Table of Land Uses [Table No. 3.3(1)] and any other use the Board of Appeals finds is functionally similar to any permitted use or special exception listed in the table for this district. The Board of Appeals shall not grant any special exception that is inconsistent with the purpose set forth for this district.

### Section 5A.3 Criteria

The maximum density in the Agricultural zoning district shall be one (1) dwelling unit per five (5) acres of land owned minus the lot area taken off under Section 5A.4.

### Section 5A.4 Exemptions

- (a) Each parcel of land of sufficient size as of October 29, 2002 shall be permitted to subdivide up to three (3) lots, which may be increased to a maximum of five (5) lots based on a sliding scale of one additional lot for each fifty (50) acres of land. The minimum lot size shall be the minimum lot size for the zoning of the property prior to the effective date of this amendment. Additional lots permitted under the zone will then be calculated on the remaining acreage based on one lot for every five acres.
- (b) Additional exemptions are available for the preservation of historic properties listed on the County Inventory of Historic Sites, the National Register of Historic Places or the Maryland Historical Trust's Inventory of Historic Sites. A lot may be created around the existing historic site/structure along with two additional lots on the original parcel upon the owner requesting and the Board of County Commissioners approving the placement of an "HP" Historic Preservation District Overlay designation on the lot with the historical site or structure.

<sup>51</sup>

Revision 14, Article 5A added 7/26/05 (RZ-03-005)

Section 5A.5 Residential Lot Size and Bulk Dimensions<sup>52</sup>

|                           | Lot Area       | Lot Width | Lot Area/Family | Front Yard | Side Yard | Rear Yard | Height |
|---------------------------|----------------|-----------|-----------------|------------|-----------|-----------|--------|
| Dwelling, Single Family   | 40,000 sq. ft. | 100 ft.   | 40,000 sq. ft.  | 40 ft in.  | 15 ft.    | 50 ft.    | 40 ft. |
| Dwelling, Two-Family      | 40,000 sq. ft. | 100 ft.   | 20,000 sq. ft.  | 40 ft.     | 15 ft.    | 50 ft.    | 40 ft. |
| Dwelling, Semi-Detached** | 20,000 sq. ft. | 50 ft.    | 20,000 sq. ft.  | 40 ft.     | 15 ft.    | 50 ft.    | 40 ft. |

\*\* Semi-detached dwellings are special exception uses in this district and require Board of Zoning Appeals approval.

Section 5A.6 Non-Residential Lot Size and Bulk Dimensions (not covered in Rural Business)<sup>53 54</sup>

This section covers uses listed in the Table of Land Uses [Table No. 3.3(1)] that are principally permitted and that are not governed by the Rural Business floating zone.

|   | Lot Area | Lot Width | Front Yard | Side Yard | Rear Yard |
|---|----------|-----------|------------|-----------|-----------|
| Banquet/Reception Facilities                  | 5 acres  | 300 ft.   | 50 ft.     | 100 ft.   | 50 ft.    |
| Schools, Elementary                           | 15 Acres | 400 ft.   | 150 ft.    | 100 ft.   | 50 ft.    |
| Schools, Middle                               | 30 Acres | 500 ft.   | 150 ft.    | 100 ft.   | 50 ft.    |
| Schools, High                                 | 60 Acres | 500 ft.   | 150 ft.    | 100 ft.   | 50 ft.    |
| Churches                                      | 2 Acres  | 200 ft.   | 100 ft.    | 50 ft.    | 50 ft.    |
| Other Principal Permitted or Conditional Uses | 3 Acres  | 300 ft.   | 50 ft.     | 50 ft.    | 50 ft.    |

Section 5A.7 Special Provisions<sup>55</sup>

1. New development adjacent to existing Industrial Mineral (IM) zoning districts shall have a setback of 200 feet from all shared property lines.
2. Developments opting to use the clustering provision outlined in Article 22, Division VIII of this Ordinance may reduce side yard setbacks to a minimum of 15 feet from adjacent property lines created by the new development.
3. Development that occurs within the Airport Overlay Area as designated in the Comprehensive Plan shall have a density requirement of one (1) dwelling unit per fifty (50) acres of land owned. No lots under Section 5A.4 shall be permitted in the Airport Overlay Area.
4. Side yard setbacks for residential use lots shall be a minimum of 50 ft. for lots five (5) acres or greater in size.

<sup>52</sup> Revision 16, Section 5A.5 amended 8/4/09 (RZ-09-001)

<sup>53</sup> Revision 15, Section 5A.6 amended 9/19/06 (RZ-06-007)

<sup>54</sup> Revision 18, Section 5A.6 amended 1/16/18 (RZ-07-007/ORD-2018-03)

<sup>55</sup> Revision 16, Section 5A.7 amended 8/4/09 (RZ-09-001)

5. Side yard setbacks for residential use lots that are contiguous to parcels with permanent easements or parcels in areas designated as priority agricultural preservation areas or transferable development rights sending areas shall have minimum setbacks of 50 feet.
6. The Planning Commission may increase minimum setbacks up to 50 feet for properties adjacent to parcels that are being actively farmed or parcels with an Agricultural district designation.

## ARTICLE 15 "IM" INDUSTRIAL, MINERAL DISTRICT<sup>104</sup>

### Section 15.0 Purpose

The purpose of the Industrial, Mineral District is to provide for high volume mineral extraction in the Rural Policy Area of the County. It is the intent of this Ordinance that Industrial, Mineral Districts be protected from encroachment by incompatible land uses and that new or expanded "IM" Districts be compatible with existing adjacent land uses.

### Section 15.1 Principal Permitted Uses and Accessory Uses

See Table of Land Uses [Section 3.3, Table No. 3.3(1)]

### Section 15.2 Special Exceptions

Any other use the Board of Appeals finds is functionally similar to any permitted use or special exception listed in the Article. The Board of Appeals shall not grant any special exception that is inconsistent with the purpose set for the district.

### Section 15.3 Establishing a New IM District

The Industrial Mineral District is a floating zone established for the rural areas of the County. A new "IM" District may not be established within the adopted urban growth area, town growth areas, or rural villages.

The approval process for establishing a new "IM" District shall be in accordance with Article 27, except that neither a change in the character of the neighborhood nor a mistake in the original zoning classification shall be a prerequisite to "IM" District approval.

In its deliberation on an application for an "IM" District, the Planning Commission shall consider the purpose of the "IM" District, the applicable policies of the Comprehensive Plan, the compatibility of the proposed district with the adjacent lands, and the effect of the mineral extractive operations on public roadways. The evaluation of these criteria shall result in findings of fact as part of a recommendation on the application to the Board of County Commissioners.

At the time of application for rezoning, the applicant shall submit a concept plan that includes:

- (a) A vicinity map at 1"=2000' showing the location of the proposed "IM" District in relation to its surroundings.
- (b) The boundary, acreage and current zoning of the tract.

- (c) Minimum topographic information sufficient to determine surface drainage patterns and principal drainage areas.
- (d) Adjacent land uses and zoning and the location of adjacent structures on adjacent lots within 1,000 feet of the property line.
- (e) The location of adjacent geologic formations and other environmentally significant features.
- (f) The proposed routes to be used for hauling mineral products from the site on public roads to their first intersection with a highway which is classified as major collector or above in the Washington County Highway Plan.
- (g) An estimate of average daily truck traffic from the site on roads identified in paragraph (f) and the average gross weight of each truck.
- (h) County roads identified in accordance with paragraph (f) shall be adequate in pavement thickness, roadway width, and alignment to accommodate the truck traffic from the extraction operation. The proposed routes, once identified and approved by the Commission, may not be changed without approval of the Commission subject to the same standards as the original review. As part of the site plan approval process, the County may require a performance bond from the applicant where the resulting vehicular traffic may result in damage to County roads.
- (i) The applicant, unless otherwise determined by an existing study, shall provide evidence as to what effect the proposed use will have on the groundwater supply and quality of all adjoining properties including determination of a zone of dewatering influence.
- (j) The applicant shall provide a contingency plan for well replacement whenever a public water supply surface intake, public water supply well or spring, or private water supply well or spring is within the zone of dewatering influence as designated by the State.
- (k) The applicant shall provide a plan for reclamation of the site once mining has ceased. Reclamation plans should be designed to provide for suitable and appropriate re-use related uses, which exist or are planned for the surrounding area. The reclamation plan shall consider providing for use of any water filled pits as a public water supply. Other proposed land uses for the reclaimed site shall be detailed.

The Board of County Commissioners may, upon receiving a recommendation from the Planning Commission, restore the land to its previous classification upon written request from the landowner and upon successful completion of the required reclamation without another public hearing.

#### Section 15.4 Initiation or Expansion of Operations in Existing IM Districts

Application for the initiation or expansion of operations within an existing IM District shall be accompanied by a complete copy of the application, including all supporting documentation, submitted to the State Water Resources Administration except for those elements identified as proprietary and confidential by State regulations. The application shall include plans for reclamation showing the projected timing and sequence of excavation, the proposed method of site reclamation, the resultant landform, and the vegetative cover. The site plan submitted with the application shall indicate methods of compliance with the standards of Sections 4.11 and 15.5. The application shall also conform to the requirements of Section 15.3(f) (g) and (h).

#### Section 15.5 Performance Standards for Site Plan Review<sup>105</sup>

- (a) A person engaging in mineral extraction activities shall locate and conduct those activities on the site in a way that minimizes visual, auditory and other sensory effects on surrounding property owners.
- (b) Extractive operations shall be restricted to the hours of 6:00 a.m. to 7:00 p.m. Monday through Friday, and 8:00 a.m. to 7:00 p.m. Saturday.

Processing operations and non-extractive related activities (i.e., administrative, maintenance, repair), may be carried out on the premises beyond the allowed hours of operation, providing the sound level does not exceed the maximum acceptable limit allowed by the State of Maryland.

On Sundays and during atypical business hours, extractive operations will be allowed if expressly permitted by the Zoning Administrator because of an operating emergency or because of local or state need.

- (c) Any building or structure housing power-driven or power-producing machinery or equipment shall be located at least four hundred (400) feet from any lot in a RR, RS, RU, RM or RV District or any lot occupied by a dwelling, school, church, or institution for human care not located on the same lot as the said use.
- (d) No excavation shall take place, nor shall the slope of the natural land surface be altered as a result of such excavation, nor shall the storage of materials take place nearer than thirty feet to any property line or road right of way line. Security fencing and screen planting may be located within this area. This setback requirement shall not apply where the adjoining property is zoned IM.
- (e) Extraction operations shall be confined to areas of a minimum of one hundred (100) feet from all adjoining property lines in any "A", "EC", "P", "RB", or "B" District or any public road right-of-way, or a minimum of two

<sup>105</sup>

Revision 15, Section 15.5(c) (e) amended 9/19/06 (RZ-06-007/ORD-06-09)

hundred (200) feet from all adjoining property lines in any RR, RS, RU, RM or RV district and two hundred (200) feet from any then existing principal building on an adjoining property.

- (f) Screen planting shall be required where mineral extraction and related activities are visible from adjacent residential, commercial or industrial structures or any public road. Plant materials used in the screen planting shall be of such species, size, and number as to minimize objectionable views, dust, and noise. Whenever topography, existing vegetation, or other existing natural barrier makes screen planting either unnecessary or impractical, the Planning Commission may waive this requirement. Any permanent berms shall be designed in such a way as to have a vegetative cover.
- (g) Entrance or haul roads providing access to the site for transportation of mineral products or heavy equipment shall be maintained in such a manner as to minimize dust.
- (h) All extraction areas, active or inactive, shall be fenced and posted with appropriate "warning" signs where: (1) water can pool more than one and one-half (1½) feet in depth, and (2) the excavation of slopes is steeper than one (1) foot vertical to two (2) feet horizontal. Other extraction areas, active or inactive, not meeting the foregoing depth and slope standards may be required to be fenced at the discretion of the Planning Commission.<sup>106</sup>
- (i) Vibration Control  

Machines or blasting operations that cause vibration shall be permitted, but in no case may vibrations produce a peak particle velocity of more than two (2) inches per second measured at the nearest existing principal building on an adjacent lot. The mine operator may be required to maintain a record of each of the three components of ground movement (vertical, horizontal, and longitudinal) for each shot or blast event. These records shall be made available to the local governing body upon request.
- (j) Storage of Materials

Material storage shall comply with Section 4.12(g).

#### Section 15.6 Prohibited Uses in "IM" Zone

Kilns used or modified for the purpose of incinerating hazardous waste or controlled hazardous substances or recycling hazardous waste for fuel are prohibited. Facilities or structures for the purpose of receiving, storing, or processing hazardous waste or controlled hazardous substances for the purpose of incineration in kilns on site are prohibited.

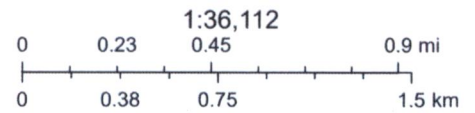


# Washington County Zoning Review Map



8/28/2024, 3:47:37 PM

- |                             |                 |                 |                                   |  |                               |
|-----------------------------|-----------------|-----------------|-----------------------------------|--|-------------------------------|
| County Road                 | Single Family   | Church          | Railroad                          | Upland (Zone X) Zoning                       | Rural Village Zoning Overlay  |
| Private Road                | Not Constructed | Misc. Structure | Rural Village Historic            | Agricultural (Rural) Zoning Overlay          | Rural Business Zoning Overlay |
| State Road                  | Mobile Home     | Barn            | Plats of Record (Subdivisions)    | Environmental Conservation Zoning Overlay    | Industrial, Mineral Overlay   |
| Parcels                     | Commercial      | Park            | Floodplain (MD IMap)              | Industrial, General Zoning Overlay           | Growth Area Boundaries        |
| Priority Preservation Areas | Duplex          | Industrial      | 100 Year Floodplain (1% Chance)   | Office, Research and Industry Zoning Overlay |                               |
| Historic Points             |                 |                 | 500 Year Floodplain (0.2% Chance) | Preservation Zoning Overlay                  |                               |
|                             |                 |                 | Floodway (1% Chance)              | Residential, Transition Zoning Overlay       |                               |
|                             |                 |                 |                                   | Marginal Zoning Overlay                      |                               |
|                             |                 |                 |                                   | Estimated Zoning Overlay                     |                               |
|                             |                 |                 |                                   | Intermediary Zoning Overlay                  |                               |
|                             |                 |                 |                                   | Surveyed Zoning Overlay                      |                               |
|                             |                 |                 |                                   | Right of Way Zoning Overlay                  |                               |



Washington County Planning Department, Maryland Department of Transportation (MDOT), Maryland Department of Transportation State

Washington County, Maryland

This map is provided for informational purposes only. All data should be verified with respective sources.



WASHINGTON COUNTY DEPARTMENT OF PLANNING & ZONING

747 Northern Avenue | Hagerstown, MD 21742-2723 | P:240.313.2430 | F:240.313.2431 | Hearing Impaired: 7-1-1

# Receipt

PAYMENT RECEIPT: 285882  
CASHIER: KRATHVON  
DATE: 09/09/2024

## Record Information

| Record Number | Record Name         | Site Address | Tax Acct ID |
|---------------|---------------------|--------------|-------------|
| ZC2024-0018   | Zoning Confirmation |              | 23006677    |

## Fee Information

| Description              | Account Code    | Invoice# | Amount          |
|--------------------------|-----------------|----------|-----------------|
| Zoning Confirmation      | 401140-10-10800 | 266734   | \$100.00        |
| <b>Total Fee Amount:</b> |                 |          | <b>\$100.00</b> |

## Payment Information

| Method | Reference No | Comments | Transaction Amount |
|--------|--------------|----------|--------------------|
| Check  | 02047556     |          | \$100.00           |

### Payor

Martin Marietta  
PO Box 30013  
Raleigh NC 27622

**Total Amount:** \$100.00