State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
MONTGOMERY COUNTY

Street Address: 122 S. Front Street
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329
Mailing Address: Lazarus Gov. Center P.O. Box 1049

Application No: 08-04158

DATE: 4/26/00

Martin Marietta Materials-Phillipsburg
Katherine Hanna
4770 Duke Drive
Mason, OH 45040-0000

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

CC: **USEPA** **RAPCA**

FINAL PERMIT TO INSTALL 08-04158

Application Number:	08-04158
APS Premise Number:	0857710044
Permit Fee:	**$700**
Name of Facility:	Martin Marietta Materials-Phillipsburg
Person to Contact:	Katherine Hanna
Address:	4770 Duke Drive Mason, OH 45040-0000

Location of proposed air contaminant source(s) [emissions unit(s)]:
9843 Dayton-Greenville Pike
Brookville, **Ohio**

Description of proposed emissions unit(s):
aggregate processing, crushing, screening & material handling; chapter 31 replacing 08-3293 issued 7-19-95.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized

representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio

Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
particulate	11.34

Emissions Unit ID: **F001**

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements
saturated equipment * modification (see section A.2.c)	
aggregate processing plant	OAC rule 3745-31-05(A)(3)
crushing operations**:** primary crusher, secondary crushers(2) and tertiary crushers(2)	
screening operations: primary screen, secondary screens(5) and tertiary screen	
material handling: conveyor transfer points(26)	
tertiary crusher serial #77-108	NSPS 40 CFR Part 60, Subpart OOO
secondary screen serial #34G1192	
conveyors serial #20, 19, 17, 23, 22, 8, 7, 25, 24, 26, 9 and 11	

Applicable Emissions Limitations/Control Measures
13.58 lbs/hr and 11.34 tons/yr of particulates from the equipment identified below, combined
The requirements of this rule also include compliance with the requirements of NSPS 40 CFR Part 60, Subpart OOO
15% opacity, as a 6-minute average from the primary, secondary and tertiary crushers
10% opacity, as a 6-minute average from primary, secondary tertiary screens and conveyors
no visible emissions from all saturated equipments
15% opacity, as a 6-minute average
10% opacity, as a 6-minute average
10% opacity, as a 6-minute average
no visible emissions

2. Additional Terms and Conditions

2.a The hourly emission limitation was established to reflect the potential to emit for the equipment identified in this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

2.b The aggregate materials processed through the equipment identified under this emissions unit shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crushers, screens, conveyors and transfer points, so that compliance with the opacity requirements specified above is continuously maintained.

2.c *This PTI represents a modification to PTI 08-3293, as issued on 7/19/95. New units and an accurate inventory of equipment are being added to F001, to result in a change from 2.33 tons/yr to 11.34 tons/yr particulates, for an increase in emissions of 9.01 tons/yr.

B. Operational Restrictions

1. The maximum annual production rate for this facility shall not exceed 1,100,000 tons.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.

2. Upon completing the initial visible emission compliance test as specified in Section E.1., the permittee shall conduct visible emission evaluations at a minimum annually on the crushers and screens that are not saturated. The VE evaluations shall be performed during the period of May 1 through September 30. The duration of the Method 9 observations shall be 1 hour at a minimum (ten 6-minute averages), and twenty 3-minute averages.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for this facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA DO or laa) within 30 days after the exceedance occurs.

E. Testing Requirements

1. Within 60 days of reaching maximum production, this facility shall conduct, or have conducted, an opacity test for all of the equipment that are required to test under NSPS for F001 in order to demonstrate compliance with the specified allowable opacity limitation. The opacity test shall be conducted in accordance with the test method specified in 40 CFR Part 60 Subpart OOO, [reference section 60.675].

   Not later than 30 days prior to the proposed test date(s), this facility shall submit an Intent to Test notification to the Regional Air Pollution Control Agency (RAPCA). The Intent to Test notification shall describe in detail the proposed test methods and procedures, the source operating parameters, the time(s) and the date(s) of the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in RAPCA's refusal to accept the results of the opacity test(s).

   Personnel from RAPCA shall be permitted to witness the test(s). Personnel from this facility shall acquire data and information regarding the source operating parameters (including but not limited to, water flow rates and pressure employed for particulate emission and opacity control at this plant). Data reduction of opacity readings (to determine compliance with opacity limitations) shall be based upon 6-minute averages, and 3-minute averages.

   A comprehensive written report on the results of the opacity test(s) (including opacity levels and the source operating parameters) shall be submitted to RAPCA within 30 days following completion of the test(s).

2. a. Emission Limitation-
   13.58 lbs/hr particulates

   Applicable Compliance Method-
   Compliance shall be determined by summing the maximum hourly emission rates for the primary, secondary and tertiary crushers, the primary, secondary, and tertiary screens, and the conveyors transfer points. (See i. through vii. below)

   i. The maximum hourly emission rate for the primary crusher is determined by multiplying the maximum hourly production rate of 640 tons/hour by the emission factor of 0.00070 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).

ii. The maximum hourly emission rate for the secondary crushers are determined by multiplying the maximum hourly production rate of 280 tons/hour for each crusher by the emission factor of 0.001239 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the

emission rates.

iii. The maximum hourly emission rate for the tertiary crushers are determined by multiplying the maximum hourly production rate of 444 tons/hour for each crusher by the emission factor of 0.001239 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the emission rates.

iv. The maximum hourly emission rate for the primary screen is determined by multiplying the maximum hourly production rate of 800 tons/hour by the emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).

v. The maximum hourly emission rate for the secondary screens is determined by multiplying the maximum hourly production rate of 800 tons/hour for each screen by the emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the emission rates.

vi. The maximum hourly emission rate for the tertiary screen is determined by multiplying the maximum hourly production rate of 444 tons/hour by the emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).

vii. The maximum hourly emission rate for the conveyors transfer points are determined by multiplying the maximum hourly production rate of 800 tons/hour for each conveyor transfer point by the emission factor of 0.0001008 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the emission rates.

2. b. Emission Limitation-
11.34 tons/yr particulates

Applicable Compliance Method-
Compliance shall be determined by summing the annual emission rates for the primary, secondary and tertiary crushers, the primary, secondary, and tertiary screens, and the conveyor transfer points. (See i. through vii. below)

i. The annual emission rate for the primary crusher is determined by multiplying the 12-monthly production records for the calendar year, by the emission factor of 0.00070 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton.

ii. The annual emission rate for the secondary crushers are determined by multiplying the 12-monthly production records for the calendar year, by the emission factor of 0.001239 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton and summing the emission rates.

iii. The annual emission rate for the tertiary crushers are determined by multiplying the 12-monthly production records for the calendar year, by the emission factor of 0.001239 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton and summing the emission rate.

iv. The annual emission rate for the primary screen is determined by multiplying the 12-monthly production records for the calendar year, by the emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton.

v. The annual emission rate for the secondary screens are determined by multiplying the 12-monthly production records for the calendar year for each screen by the emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton and summing the emission rates.

vi. The annual emission rate for the tertiary screens is determined by multiplying the 12-monthly production records for the calendar year for each screen by the emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton and summing the emission rates.

vii. The annual emission rate for the conveyors transfer points are determined by multiplying the 12-monthly production records for the calendar year for each conveyor transfer point by the emission factor of 0.0001008 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the emission rates.

2. c Emission Limitation-
15% opacity, as a 6-minute average for the primary, secondary and tertiary crushers

Applicable Compliance Method-
Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

2. d Emission Limitation-
10% opacity, as a 6-minute average for the primary, secondary and tertiary screens

Applicable Compliance Method-
Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

2. e Emission Limitation-
no visible emissions

Applicable Compliance Method-
Compliance shall be based on USEPA Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

2. f Emission Limitation-
10% opacity from any conveyor transfer point, as a 6-minute average

Applicable Compliance Method-
Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

2. g Emission Limitation-
20% opacity, as a 3-minute average

Applicable Compliance Method-
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference 9.

F. Miscellaneous Requirements

none

NEW SOURCE REVIEW FORM B

PTI Number: 08-04158 Facility ID: 0857710044

FACILITY NAME Martin Marietta Materials-Phillisburg

FACILITY DESCRIPTION aggregate processing, crushing, screening & material handling; chapter 31 replacing 08-3293 issued 7-19-95. CITY/TWP Brookville

SIC CODE 1422 SCC CODE 3-05-020-02 EMISSIONS UNIT ID F001

EMISSIONS UNIT DESCRIPTION crushing, screening and material handling

DATE INSTALLED PTI modification

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment			13.58 lbs/hr	11.34
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? OOO NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination Best Available Technology is determined to be compliance with the applicable OAC rules, NSPS Subpart OOO, specified allowable mass emission rates, and visible emission opacity limit; record keeping; reporting

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES x NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

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FACILITY NAME Martin Marietta Materials-Phillisburg

FACILITY DESCRIPTION	aggregate processing, crushing, screening & material handling; chapter 31 replacing 08-3293 issued 7-19-95.	CITY/TWP	Brookville

Please describe any hard copy information is being submitted with this recommendation (Please send hard copy information to Pam McGraner, DAPC Central Office - Air Quality Modeling and Planning):

NONE

Please provide any additional permit specific notes as you deem necessary:

NONE

Permit To Install Synthetic Minor Write-Up

NONE

Please fill in the following for this permit:

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
particulate	11.34

Calculations

F001- aggregate processing plant:crushing, screening and material handling
Primary Crushing AP-42 Table 11.19.2-2 E.F 0.00070 lb/ton PM
(640 tons/hr)(0.00070 lb/ton) = 0.45 lb/hr
PTE (0.45 lb/hr)(8760 hrs/yr)(ton/2000 lbs) = 1.97
PTI allowable (1,100,000 tons/yr)(0.00070 lb/ton)(ton/2000 lbs) = 0.39 ton/yr

Primary Screening AP-42 Table 11.19.2-2 E.F (0.00084 lb/ton PM-10)(2.1) = 0.001764 lb/ton PM
(800 tons/hr)(0.001764 lb/ton) = 1.41 lbs/hr
PTE (1.41 lb/hr)(8760 hrs/yr)(ton/2000 lbs) = 6.18 tons/yr
PTI allowable (1,100,000 tons/yr)(0.001764 lb/ton)(ton/2000 lbs) = 0.97 ton/yr

Secondary Crushing AP-42 Table 11.19.2-2 E.F 0.001239 lb/ton PM
(280 tons/hr)(0.001239 lb/ton)(2) = 0.69 lb/hr
PTE (0.69 lb/hr)(8760 hrs/yr)(ton/2000 lbs) = 3.04
PTI allowable (1,100,000 tons/yr)(0.001239 lb/ton)(2)(ton/2000 lbs) = 1.36 tons/yr

Secondary Screening AP-42 Table 11.19.2-2 E.F (0.00084 lb/ton PM-10)(2.1) = 0.001764 lb/ton PM
(800 tons/hr)(0.001764 lb/ton)(5) = 7.06 lbs/hr

NEW SOURCE REVIEW FORM B

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FACILITY NAME Martin Marietta Materials-Phillisburg

FACILITY DESCRIPTION	aggregate processing, crushing, screening & material handling; chapter 31 replacing 08-3293 issued 7-19-95.	CITY/TWP	Brookville

PTE (7.06 lbs/hr)(8760 hrs/yr)(ton/2000 lbs) = 30.92 tons/yr
PTI allowable (1,100,000 tons/yr)(0.001764 lb/ton)(ton/2000 lbs)(5) = 4.85 tons/yr

Tertiary Screening AP-42 Table 11.19.2-2 E.F (0.00084 lb/ton PM-10)(2.1) = 0.001764 lb/ton PM
(444 tons/hr)(0.001764 lb/ton) = 0.78 lb/hr
PTE (0.78 lb/hr)(8760 hrs/yr)(ton/2000 lbs) = 3.42 tons/yr
PTI allowable (1,100,000 tons/yr)(0.001764 lb/ton)(ton/2000 lbs) = 0.97 ton/yr

Tertiary Crushing AP-42 Table 11.19.2-2 E.F 0.001239 lb/ton PM
(444 tons/hr)(0.001239 lb/ton)(2) = 1.1 lbs/hr
PTE (1.1 lbs/hr)(8760 hrs/yr)(ton/2000 lbs) = 4.82
PTI allowable (1,100,000 tons/yr)(0.001239 lb/ton)(2)(ton/2000 lbs) = 1.36 tons/yr

Material Handling (26 conveyor transfer points) AP-42 Table 11.19.2-2 conveyor transfer points controlled E.F (0.000048 lb/ton PM-10)(2.1) = 0.0001008 lb/ton PM
(800 tons/hr)(0.0001008 lb/ton)(26) = 2.09 lbs/hr
PTE (2.09 lbs/hr)(8760 hrs/yr)(ton/2000 lbs) = 9.15 tons/yr
PTI allowable (1,100,000 tons/yr)(0.0001008 lb/ton)(26)(ton/2000 lbs) = 1.44 tons/yr

NSR Discussion

Martin Marietta Materials- Phillipsburg limestone has requested a PTI modification for the aggregate processing plant, because of the installation and replacement of equipment. Some of the equipment in the plant will be subject to NSPS 40 CFR Part 60, Subpart 000.

The allowables for the primary, secondary and tertiary crushers, screens and conveyor transfer points are based on the maximum hourly production rates for the equipment and a maximum annual production rate of 1,100,000 tons/yr. This facility is a stationary source and NSPS testing will be conducted initially on the equipment subject to this standard within 60 days of reaching maximum production, the facility shall also conduct visible emissions evaluations for the crusher and screens at a minimum annually.

Best Available Technology is determined to be compliance with the applicable OAC rules, NSPS Subpart OOO, specified allowable mass emission rates, and visible emission opacity limit; record keeping; reporting requirements.

Carlos Lynch