MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION

May 18, 2017

PERMIT TO INSTALL
368-07B

ISSUED TO
ON Minerals (Michigan) DBA Carmeuse Lime and Stone, Inc.

LOCATED AT
5093 East M-134
Cedarville, Michigan

IN THE COUNTY OF
Mackinac

STATE REGISTRATION NUMBER
B4924

The Air Quality Division has approved this Permit to Install, pursuant to the delegation of authority from the Michigan Department of Environmental Quality. This permit is hereby issued in accordance with and subject to Section 5505(1) of Article II, Chapter I, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Pursuant to Air Pollution Control Rule 336.1201(1), this permit constitutes the permittee's authority to install the identified emission unit(s) in accordance with all administrative rules of the Department and the attached conditions. Operation of the emission unit(s) identified in this Permit to Install is allowed pursuant to Rule 336.1201(6).

DATE OF RECEIPT OF ALL INFORMATION REQUIRED BY RULE 203: **April 7, 2017**	
DATE PERMIT TO INSTALL APPROVED: **May 18, 2017**	SIGNATURE:
DATE PERMIT VOIDED:	SIGNATURE:
DATE PERMIT REVOKED:	SIGNATURE:

PERMIT TO INSTALL

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Common Abbreviations / Acronyms

Common Acronyms		Pollutant / Measurement Abbreviations	
AQD	Air Quality Division	acfm	Actual cubic feet per minute
BACT	Best Available Control Technology	BTU	British Thermal Unit
CAA	Clean Air Act	°C	Degrees Celsius
CAM	Compliance Assurance Monitoring	CO	Carbon Monoxide
CEM	Continuous Emission Monitoring	CO_2e	Carbon Dioxide Equivalent
CFR	Code of Federal Regulations	dscf	Dry standard cubic foot
COM	Continuous Opacity Monitoring	dscm	Dry standard cubic meter
Department/ department	Michigan Department of Environmental Quality	°F	Degrees Fahrenheit
		gr	Grains
EU	Emission Unit	HAP	Hazardous Air Pollutant
FG	Flexible Group	Hg	Mercury
GACS	Gallons of Applied Coating Solids	hr	Hour
GC	General Condition	HP	Horsepower
GHGs	Greenhouse Gases	H_2S	Hydrogen Sulfide
HVLP	High Volume Low Pressure*	kW	Kilowatt
ID	Identification	lb	Pound
IRSL	Initial Risk Screening Level	m	Meter
ITSL	Initial Threshold Screening Level	mg	Milligram
LAER	Lowest Achievable Emission Rate	mm	Millimeter
MACT	Maximum Achievable Control Technology	MM	Million
MAERS	Michigan Air Emissions Reporting System	MW	Megawatts
MAP	Malfunction Abatement Plan	NMOC	Non-methane Organic Compounds
MDEQ	Michigan Department of Environmental Quality	NO_x	Oxides of Nitrogen
		ng	Nanogram
MSDS	Material Safety Data Sheet	PM	Particulate Matter
NA	Not Applicable	PM10	Particulate Matter equal to or less than 10 microns in diameter
NAAQS	National Ambient Air Quality Standards		
NESHAP	National Emission Standard for Hazardous Air Pollutants	PM2.5	Particulate Matter equal to or less than 2.5 microns in diameter
NSPS	New Source Performance Standards	pph	Pounds per hour
NSR	New Source Review	ppm	Parts per million
PS	Performance Specification	ppmv	Parts per million by volume
PSD	Prevention of Significant Deterioration	ppmw	Parts per million by weight
PTE	Permanent Total Enclosure	psia	Pounds per square inch absolute
PTI	Permit to Install	psig	Pounds per square inch gauge
RACT	Reasonable Available Control Technology	scf	Standard cubic feet
ROP	Renewable Operating Permit	sec	Seconds
SC	Special Condition	SO_2	Sulfur Dioxide
SCR	Selective Catalytic Reduction	TAC	Toxic Air Contaminant
SNCR	Selective Non-Catalytic Reduction	Temp	Temperature
SRN	State Registration Number	THC	Total Hydrocarbons
TEQ	Toxicity Equivalence Quotient	tpy	Tons per year
USEPA/EPA	United States Environmental Protection Agency	µg	Microgram
		µm	Micrometer or Micron
VE	Visible Emissions	VOC	Volatile Organic Compounds
		yr	Year

*For HVLP applicators, the pressure measured at the gun air cap shall not exceed 10 psig.

GENERAL CONDITIONS

1. The process or process equipment covered by this permit shall not be reconstructed, relocated, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule. **(R 336.1201(1))**

2. If the installation, construction, reconstruction, relocation, or modification of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the permittee or the designated authorized agent shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909-7760, if it is decided not to pursue the installation, construction, reconstruction, relocation, or modification of the equipment allowed by this Permit to Install. **(R 336.1201(4))**

3. If this Permit to Install is issued for a process or process equipment located at a stationary source that is not subject to the Renewable Operating Permit program requirements pursuant to R 336.1210, operation of the process or process equipment is allowed by this permit if the equipment performs in accordance with the terms and conditions of this Permit to Install. **(R 336.1201(6)(b))**

4. The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Department's rules or the Clean Air Act. **(R 336.1201(8), Section 5510 of Act 451, PA 1994)**

5. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to R 336.1219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required by subrules (1)(a), (b), and (c) of R 336.1219 and shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality. **(R 336.1219)**

6. Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property. **(R 336.1901)**

7. The permittee shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant which continue for more than one hour in excess of any applicable standard or limitation, or emissions of any air contaminant continuing for more than two hours in excess of an applicable standard or limitation, as required in Rule 912, to the Department. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the Department within 10 days after the start-up or shutdown occurred, within 10 days after the abnormal conditions or malfunction has been corrected, or within 30 days of discovery of the abnormal condition or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5). **(R 336.1912)**

8. Approval of this permit does not exempt the permittee from complying with any future applicable requirements which may be promulgated under Part 55 of 1994 PA 451, as amended or the Federal Clean Air Act.

9. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.

10. Operation of this equipment may be subject to other requirements of Part 55 of 1994 PA 451, as amended and the rules promulgated thereunder.

11. Except as provided in subrules (2) and (3) or unless the special conditions of the Permit to Install include an alternate opacity limit established pursuant to subrule (4) of R 336.1301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with R 336.1303. **(R 336.1301)**
    a) A six-minute average of 20 percent opacity, except for one six-minute average per hour of not more than 27 percent opacity.
    b) A visible emission limit specified by an applicable federal new source performance standard.
    c) A visible emission limit specified as a condition of this Permit to Install.

12. Collected air contaminants shall be removed as necessary to maintain the equipment at the required operating efficiency. The collection and disposal of air contaminants shall be performed in a manner so as to minimize the introduction of contaminants to the outer air. Transport of collected air contaminants in Priority I and II areas requires the use of material handling methods specified in R 336.1370(2). **(R 336.1370)**

13. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R 336.2001 and R 336.2003, under any of the conditions listed in R 336.2001. **(R 336.2001)**

SPECIAL CONDITIONS

EMISSION UNIT SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Emission Unit ID	Emission Unit Description (Process Equipment & Control Devices)	Flexible Group ID
EUPROCESS	A combination of process equipment (screens, crushers, feeders, conveyors, etc.) used to reduce larger limestone materials down to smaller sizes, classify and sort limestone materials into various product types, material handling and transporting of limestone to storage areas. Control methods include equipment enclosures or enclosed within a building, water sprays, drop chutes and/or pant legs for transfer points.	NA
EUTRANSPORTTRAIN	A transport train used to transfer the majority of the limestone from the processing area at the quarry pit to the main processing area approximately five miles away. Loading of the train takes place underground in a tunnel.	NA
EUTRUCKTRAFFIC	Truck traffic for delivery of limestone products to customers, truck and loader traffic from quarry pit to processing area and associated with processing equipment, storage pile handling and loading delivery trucks. Also included are all commercial truck areas and truck and loader traffic within the quarry pit.	NA
EUSTORAGE	Open area stock piles of various limestone sizes and product types. Water spray of materials is used when necessary for limestone storage piles.	NA
Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1290.		

The following conditions apply to: EUPROCESS

DESCRIPTION: A combination of process equipment (screens, crushers, feeders, conveyors, etc.) used to reduce larger limestone materials down to smaller sizes, classify and sort limestone materials into various product types, material handling and transporting of limestone to storage areas.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: Control methods include equipment enclosures or enclosed within a building, water sprays, drop chutes and/or pant legs for transfer points.

I. EMISSION LIMITS

1. Visible emissions from the drop point and transfer point portions of EUPROCESS shall not exceed 10 percent opacity. **(R 336.1301, 40 CFR 52.21 (c) & (d), 40 CFR 60.670)**

2. Visible emissions from the sand recovery system portion of EUPROCESS shall not exceed 7 percent opacity. **(R 336.1301, 40 CFR 52.21 (c) & (d), 40 CFR 60.670)**

II. MATERIAL LIMITS

1. The permittee shall not process any asbestos tailing or asbestos containing waste materials in EUPROCESS pursuant to the National Emission Standards for Hazardous Air Pollutants, 40 CFR Part 61 Subpart M. **(40 CFR Part 61 Subpart M)**

2. The permittee shall not process more than 40,000 tons of material per day nor 6,400,000 tons of material through EUPROCESS per 12-month rolling time period as determined at the end of each calendar month. **(40 CFR 52.21 (c) & (d))**

3. The permittee shall not process more than 1,000,000 tons of material per year through the sand recovery system of EUPROCESS per 12-month rolling time period as determined at the end of each calendar month. **(40 CFR 52.21 (c) & (d))**

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall not operate any portion of EUPROCESS unless each portion of EUPROCESS meets the specific opacity limit listed in Appendix A of this permit. **(R 336.1301, 40 CFR 52.21 (c) & (d), 40 CFR 60.670)**

2. The permittee shall not operate EUPROCESS unless the nuisance minimization plan for fugitive dust for all plant roadways, the plant yard, all material storage piles, and all material handling operations specified in Appendix B has been implemented and is maintained. **(R 336.1371)**

3. The permittee shall comply with all provisions of the federal Standards of Performance for New Stationary Sources as specified in 40 CFR Part 60 Subparts A and OOO, as they apply to EUPROCESS. **(40 CFR Part 60 Subparts A & OOO)**

IV. DESIGN/EQUIPMENT PARAMETERS

1. The permittee shall not operate any portion of EUPROCESS unless the equipment's specified control device is installed, maintained and operated in a satisfactory manner as listed in Appendix A. **(R 336.1910, 40 CFR 52.21 (c) & (d))**

2. The permittee shall install and maintain a belt scale on the transfer conveyor (S4) portion of EUPROCESS which continuously shows the daily throughput rate for the conveyor. **(40 CFR 52.21 (c) & (d))**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. Within 60 days after achieving maximum production rate, but not later than 180 days after commencement of trial operation, the permittee shall evaluate visible emissions from the C7 to C11 Bypass Chute (Q104) portion of EUPROCESS, at owner's expense, in accordance with federal Standards of Performance for New Stationary Sources 40 CFR Part 60 Subparts A and OOO. The permittee must have prior approval from the AQD for visible emission observation procedures. The permittee must notify the District Office 10 days prior to the evaluation of visible emissions. Verification of visible emissions includes the submittal of a complete report of opacity observations to the AQD within 45 days following the last date of the evaluation. **(R 336.1301, 40 CFR Part 60 Subparts A & OOO)**

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

1. The permittee shall complete all required calculations in a format acceptable to the AQD District Supervisor by the 15th day of the calendar month, for the previous calendar month, unless otherwise specified in any monitoring/recordkeeping special condition. **(40 CFR 52.21 (c) & (d))**

2. The permittee shall keep daily and monthly records of the amount of material processed through EUPROCESS. Further the permittee shall calculate on a monthly basis, the yearly throughput rate based upon the most recent 12-month rolling time period. The permittee shall keep records of the amount of material processed on file and make them available to the Department upon request. **(40 CFR 52.21 (c) & (d))**

VII. REPORTING

1. Within 30 days after completion of the installation, construction, reconstruction, relocation, or modification authorized by this Permit to Install, the permittee or the authorized agent pursuant to Rule 204, shall notify the AQD District Supervisor, in writing, of the completion of the activity. Completion of the installation, construction, reconstruction, relocation, or modification is considered to occur not later than commencement of trial operation of EUPROCESS. **(R 336.1201(7)(a))**

2. The permittee shall provide written notification of construction and operation to comply with the federal Standards of Performance for New Stationary Sources, 40 CFR 60.7. The permittee shall submit this notification to the AQD District Supervisor within the time frames specified in 40 CFR 60.7. **(40 CFR 60.7)**

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

1. Within 45 days of issuance of this permit, the permittee shall label all equipment using the company ID Numbers in Appendix A, according to a method acceptable to the AQD District Supervisor. Labels shall be in a conspicuous location on the equipment. Within seven days of completing the labeling, the permittee shall notify the AQD District Supervisor, in writing, as to the date the labeling was completed. **(R 336.1201)**

Footnotes:

[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

The following conditions apply to: EUTRANSPORTTRAIN

DESCRIPTION: A transport train used to transfer the majority of the limestone from the processing area at the quarry pit to the main processing area approximately five miles away. Loading of the train takes place underground in a tunnel.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: Loading of the train takes place underground in a tunnel.

I. EMISSION LIMITS

1. Visible emissions from all wheel loaders and all truck traffic, operated in conjunction with EUTRANSPORTTRAIN, shall not exceed 5 percent opacity. **(R 336.1301, 40 CFR 52.21(c) & (d))**

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. All railcar loading operations associated with EUTRANSPORTTRAIN shall take place underground. **(R 336.1901, 40 CFR 52.21(c) & (d))**

IV. DESIGN/EQUIPMENT PARAMETERS

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

NA

Footnotes:

[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

The following conditions apply to: EUTRUCKTRAFFIC

DESCRIPTION: Truck traffic for delivery of limestone products to customers, truck and loader traffic from quarry pit to processing area and associated with processing equipment, storage pile handling and loading delivery trucks. Also included are all commercial truck areas and truck and loader traffic within the quarry pit.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: NA

I. EMISSION LIMITS

1. Visible emissions from all wheel loaders and all truck traffic, operated in conjunction with EUTRUCKTRAFFIC, shall not exceed five (5) percent opacity. **(R 336.1301, 40 CFR 52.21(c) & (d))**

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall not operate EUTRUCKTRAFFIC unless the nuisance minimization plan for fugitive dust for all plant roadways, the plant yard, all material storage piles, and all material handling operations specified in Appendix B has been implemented and is maintained. **(R 336.1371, R 336.1372, Act 451 324.5524)**

IV. DESIGN/EQUIPMENT PARAMETERS

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

NA

Footnotes:

[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

The following conditions apply to: EUSTORAGE

DESCRIPTION: Open area stock piles of various limestone sizes and product types. Water spray of materials is used when necessary for limestone storage piles.

Flexible Group ID: NA

POLLUTION CONTROL EQUIPMENT: Water spray of materials is used when necessary for limestone storage piles.

I. EMISSION LIMITS

1. Visible emissions from each of the material storage piles maintained under EUSTORAGE, shall not exceed five (5) percent opacity. **(R 336.1301, 40 CFR 52.21(c) & (d))**

II. MATERIAL LIMITS

NA

III. PROCESS/OPERATIONAL RESTRICTIONS

1. The permittee shall not operate EUSTORAGE unless the nuisance minimization plan for fugitive dust for all plant roadways, the plant yard, all material storage piles, and all material handling operations specified in Appendix B has been implemented and is maintained. **(R 336.1371, R 336.1372, Act 451 324.5524)**

IV. DESIGN/EQUIPMENT PARAMETERS

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1201(3))**

NA

VII. REPORTING

NA

VIII. STACK/VENT RESTRICTIONS

NA

IX. OTHER REQUIREMENTS

NA

Footnotes:

[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

APPENDIX A

Equipment Description	ID Number	Opacity Limit (Percent)	Control Device
60" Conveyor	C1	10%	N/A - None
48" Conveyor	C2	10%	N/A - None
48" Conveyor	C3	10%	N/A - None
36" Conveyor	C4	10%	N/A - None
42" Conveyor	C5	10%	N/A - None
36" Conveyor	C6	10%	N/A - None
48" Conveyor	C7	10%	N/A - None
30" Conveyor	C8	10%	N/A - None
30" Conveyor	C9	10%	N/A - None
30" Conveyor	C10	10%	N/A - None
48" Conveyor	C11	10%	N/A - None
30" Conveyor	C12A	10%	N/A - None
30" Conveyor	C12B	10%	N/A - None
48" Conveyor	C13	10%	N/A - None
48" Conveyor	C14	10%	N/A - None
Dewatering Screen 1	DS1	7%	Building Enclosure
Dewatering Screen 2	DS2	7%	Building Enclosure
Bypass chute from C7 to C11	Q104	No visible emissions	Enclosed chute
30" Conveyor	F6	No Visible Emissions	Building Enclosure
24" Conveyor	M9	No Visible Emissions	Building Enclosure
36" Conveyor	FS1	No Visible Emissions	Building Enclosure
36" Conveyor	FS2	10%	N/A - None
54" Conveyor	L1	No Visible Emissions	Building Enclosure
54" Conveyor	L2	No Visible Emissions	Building Enclosure
54" Conveyor	L3	No Visible Emissions	Building Enclosure
48" Conveyor	L3A	No Visible Emissions	Building Enclosure
48" Conveyor	L3B	10%	N/A - None
54" Conveyor	L3C	10%	N/A - None
54" Conveyor	L4	10%	N/A - None
60" Conveyor	L5	10%	N/A - None
60" Conveyor	L6	10%	N/A - None
36" Conveyor	M1B	10%	N/A - None
36" Conveyor	M2A	10%	N/A - None
36" Conveyor	M2B	10%	N/A - None
30" Conveyor	M3A	10%	N/A - None
30" Conveyor	M3B	10%	N/A - None
24" Conveyor	M5	No Visible Emissions	Building Enclosure
24" Conveyor	M5A	10%	N/A - None

Equipment Description	ID Number	Opacity Limit (Percent)	Control Device
30" Conveyor	M5B	10%	N/A - None
24" Conveyor	M6B	No Visible Emissions	Building Enclosure
24" Conveyor	M6C	10%	N/A - None
24" Conveyor	M6D	10%	N/A - None
24" Conveyor	M7	No Visible Emissions	Building Enclosure
24" Conveyor	M7A	10%	N/A - None
24" Conveyor	M7B	10%	N/A - None
24" Conveyor	M8	No Visible Emissions	Building Enclosure
24" Conveyor	M8A	10%	N/A - None
54" Conveyor	P1	No Visible Emissions	Building Enclosure & Water Sprays
54" Conveyor	P2	10%	N/A - None
54" Conveyor	S1	No Visible Emissions	Building Enclosure
36" Conveyor	S2	No Visible Emissions	Building Enclosure
36" Conveyor	S3	No Visible Emissions	Building Enclosure
48" Conveyor	S4	No Visible Emissions	Building Enclosure
36" Conveyor	S5	No Visible Emissions	Building Enclosure
36" Conveyor	S6	No Visible Emissions	Building Enclosure
36" Conveyor	S7	10%	N/A - None
36" Conveyor	S8	10%	N/A - None
48" Conveyor	S9	10%	N/A - None
36" Conveyor	T1	No Visible Emissions	Building Enclosure
96"x 288" Screen	101	10%	Water Sprays
96"x 288" Screen	102	10%	Water Sprays
96"x 288" Screen	103	10%	Water Sprays
96"x 288" Screen	201	No Visible Emissions	Building Enclosure & Water Sprays
96"x 288" Screen	202	No Visible Emissions	Building Enclosure & Water Sprays
96"x 288" Screen	203	No Visible Emissions	Building Enclosure & Water Sprays
96"x 288" Screen	405	No Visible Emissions	Building Enclosure & Water Sprays
96"x 288" Screen	406	No Visible Emissions	Building Enclosure & Water Sprays
96" x 192" Screen	603	No Visible Emissions	Building Enclosure & Water Sprays
96" x 192" Screen	604	No Visible Emissions	Building Enclosure & Water Sprays
72" x 144" Screen	801	No Visible Emissions	Building Enclosure & Water Sprays
72" x 144" Screen	802	No Visible Emissions	Building Enclosure & Water Sprays

Equipment Description	ID Number	Opacity Limit (Percent)	Control Device
72" x 144" Screen	803	No Visible Emissions	Building Enclosure & Water Sprays
72" x 144" Screen	804	No Visible Emissions	Building Enclosure & Water Sprays
5566 Telsmith Jaw Crusher	Jaw	10%	Water Sprays
68SBS Telsmith Cone Crusher	Cone	10%	Water Sprays
Model 68 Tertiary Crusher	Tertiary	No Visible Emissions	Building Enclosure

APPENDIX B
Nuisance Minimization Plan
Fugitive Dust

I. Site Roadways / Plant Yard

A. The dust on the site roadways and the plant yard shall be controlled by applications of water, calcium chloride or other acceptable and approved fugitive dust control compounds. Applications of dust suppressants shall be done as often as necessary to meet all applicable emission limits.

B. All paved roadways and the plant yards shall be swept as needed between applications.

C. Any material spillage on roads shall be cleaned up immediately.

D. A record of all watering/dust suppressant applications shall be kept on file and be made available to the AQD upon request.

II. Plant

The drop distance at each transfer point shall be reduced to the minimum the equipment can achieve.

III. Storage Piles

A. Stockpiling of all nonmetallic minerals shall be performed to minimize drop distance and control potential dust problems.

B. Stockpiles shall be watered on an as needed basis in order to meet the opacity limit of 5 percent. Equipment to apply water or dust suppressant shall be available at the site or on call for use at the site within a given operating day. A record of all watering/dust suppressant applications shall be kept on file and be made available to the AQD upon request.

IV. Truck Traffic

On-site vehicles shall be loaded to prevent their contents from dropping, leaking, blowing or otherwise escaping. This shall be accomplished by loading so that no part of the load shall come in contact within 6 inches of the top of any side board, side panel or tailgate. Otherwise, the truck shall be tarped.

V. AQD/MDEQ Inspection

The provisions and procedures of this plan are subject to adjustment by written notification from the AQD if, following an inspection, the AQD finds the fugitive dust requirements and/or permitted emission limits are not being met.