



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
STEVEN E. CHESTER, Director

AIR QUALITY DIVISION
CONSTITUTION HALL, PO BOX 30260, LANSING MI 48909
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**GENERAL PERMIT TO INSTALL FOR
NONMETALLIC MINERAL CRUSHING FACILITIES**

July 9, 1999
Revised April 1, 2002

SUMMARY

On July 7, 1999, the Air Quality Division (AQD) of the Michigan Department of Environmental Quality (Department) issued the attached general permit to install for nonmetallic mineral crushing facilities. This general permit is applicable to facilities which crush and process rock, stone, concrete, recycled asphalt, sand, gravel or soil for the construction and transportation industry. This general permit was issued pursuant to R 336.1201a of the Administrative Rules for Air Pollution Control (Rule 201a), and provides a streamlined permitting alternative for the affected facilities. Prior to finalizing the attached general permit, the Department held a 30-day public comment period and public hearing on a proposed general permit. The final permit incorporates changes to the proposed permit, in response to the comments that were received. On March 20, 2000 the general permit was revised to address the issue of applicability for a source, process or process equipment that may be identified in a consent order or consent judgement. The general permit was revised on September 2000 to include a new version of the General Information form EQP5727, to revise the language in General Condition 18 and to make changes to the submittal requirements for relocations. The permit is being revised at this time to update the Department address, the Internet Home page, and the fugitive dust plan to be consistent with fugitive dust plans for other types of sources.

BACKGROUND

Rule 201a allows the Department to issue a general permit to install covering numerous similar stationary sources, processes or process equipment, after public notice and opportunity for public participation. The use of general permits provides a streamlined permitting alternative for processes that meet the following general criteria:

- a) The processes must produce the same or reasonably similar products.
- b) The processes must emit the same or similar air contaminants.
- c) The method for capturing and controlling the air contaminants must be the same or limited to a small number of specific alternatives.
- d) The processes must be subject to the same emission limitations, monitoring requirements, federal standards, or state rules.

A person who owns or operates a stationary source, process or process equipment, which qualifies for a general permit to install approved by the Department, may apply for coverage under the terms and conditions of the general permit. Owners/operators who apply to the Department for coverage under the general permit to install must certify that the equipment they will be installing meets the necessary criteria for applicability and that they will comply with the special conditions of the permit. These conditions may include site restrictions, emission limits, material usage limits, and/or annual production limits, which are necessary to ensure that the equipment will operate in compliance with all applicable rules for air pollution control. A person also has the option of applying for a case-by-case

permit to install pursuant to Rule 201 if they are unable to comply with the conditions of the general permit to install.

The State of Michigan currently has over one hundred sixty nonmetallic mineral processing facilities in operation. On April 2, 1999, the Department proposed a general permit to streamline the review of permit applications from these facilities, and to allow the facilities more operational flexibility. The Department held a comment period from April 2, 1999 to May 3, 1999 and a public hearing on May 6, 1999, to receive comments on the proposed general permit. The Department received numerous written comments during the comment period as well as during the public hearing. These comments were reviewed by AQD staff and considered for the final version of this general permit. The general permit for nonmetallic mineral crushing facilities requires water spray or baghouse dust collectors as control, to be operated when necessary to meet applicable emission limits.

APPLICABLE REQUIREMENTS

The following state and federal requirements are considered to be applicable to all sources, processes, or process equipment and are addressed in the General Conditions of the permit.

<u>Citation</u>	<u>Description</u>
R 336.1201a	State rule that gives the Department authority to issue general permits.
R 336.1219	State rule that requires written notification of change of ownership.
R 336.1285	State rule that allows the use of raw materials not listed in an approved permit.
R 336.1301	State rule that sets the standards for density of particulate emissions.
R 336.1370	State rule that requires the proper disposal of collected air contaminants.
R 336.1901	State rule that prohibits the emission of air contaminants, which interfere with the enjoyment of life and property and/or has injurious effects to health or safety.
R 336.1912	State rule that requires notice of abnormal conditions or malfunctions, which result in emissions in excess of the standards.
R 336.2001, 2003, 2004	State rules that allow the Department to request performance testing, and specify how the test should be conducted.

The following state and federal requirements are applicable to nonmetallic mineral crushing facilities and were considered in the development of the general permit to install. These requirements are addressed in the Special Conditions of the permit.

<u>Citation</u>	<u>Description</u>
R 336.1205	State rule that requires a permit to limit the amount of potential emissions.
R 336.1303	State rule that requires grading of visible emissions by a qualified observer.
R 336.1331	State rule that limits emissions of particulate matter.
R 336.1371	State rule that requires the submittal of a fugitive dust program if requested.
R 336.1910	State rule that requires a pollution control device be operated properly.
40 CFR Part 52.21 (c)&(d)	Federal regulation, Prevention of Significant Deterioration (PSD) of Air Quality and the National Ambient Air Quality Standards (NAAQS).
40 CFR Part 60 Subpart OOO	Federal New Source Performance Standards for Nonmetallic Mineral Processing Plants.
40 CFR Part 61 Subpart M	Federal emission standard for asbestos.

APPLICABILITY CRITERIA

To qualify for the general permit to install based on the listed applicable requirements, the following criteria must be met by all nonmetallic mineral crushing facilities:

- The general permit to install shall apply to nonmetallic mineral crushing facilities used to crush and process nonmetallic minerals including rock and stone, concrete, recycled asphalt, sand, gravel or

soil. The facility may not crush or process slag, asbestos tailings or asbestos containing waste materials.

- The facility shall have no outstanding unresolved violations of any of the Michigan Department of Environmental Quality Air Pollution Control rules, orders, or permits; or Federal air quality regulations.
- The crusher(s) shall be located a minimum of 500 feet from any residential or commercial establishment or place of public assembly.
- At any given site, all nonmetallic mineral crushing facilities combined shall process no more than 2,000,000 tons per year unless a site specific permit covers the location.
- All equipment associated with the nonmetallic mineral crushing facility shall be labeled with company identification numbers as specified in the general permit application.
- A copy of this general permit and conditions shall be clearly posted in the operator's office or workstation.
- The nonmetallic mineral crushing facility shall meet all requirements of the fugitive dust plan specified in the Appendix of the special conditions of the general permit.
- The nonmetallic mineral crushing facility shall meet all applicable requirements of the Federal New Source Performance Standards, Subpart OOO, for nonmetallic mineral crushing facilities.
- Each crusher and screen shall be equipped with a water spray. A baghouse dust collector may alternatively be installed in lieu of water spray for any particular piece of equipment. Operation of the control equipment is required only when necessary to meet applicable emission limits.
- The general permit shall not apply to a source, process, or process equipment that is included in an existing permit to install pursuant to Rule 201 and is further referenced in an outstanding consent order or consent judgement.

PERMIT CONDITIONS

The general permit to install must be consistent with the permit content requirements of Rule 205(1)(a). This rule requires that if a permit to install includes limitations, which restrict the potential to emit of a stationary source, process, or process equipment to a quantity below that which would constitute a major source, the permit shall contain emission limits which are enforceable as a practical matter.

Attachment A lists the terms and special conditions for the general permit to install. These terms and conditions prescribe the applicable site restrictions, performance standards, emission limits, monitoring, record keeping and reporting requirements which are necessary to ensure that a nonmetallic mineral crushing facility will comply with all state and federal applicable requirements.

EMISSIONS

A majority of the particulate emissions from these types of processes are fugitive in nature. Particulate mass emission limits from nonmetallic mineral crushing facilities are not required in the general permit because these limits would not be enforceable as a practical matter. Limits on production and opacity limits are used in place of mass emission limits, and a concentration limit of 0.04 pounds of particulate per 1,000 pounds of exhaust gas is included in the special conditions if a baghouse is utilized for control. The table below shows the potential emissions from one of these facilities. The potential emissions have been calculated based on a production rate of 2,000,000 tons per year. An emission factor of 0.15 pounds of particulate per ton of product, taken from the Michigan Air Emissions Reporting System (MAERS) procedures for mineral product processes, is for particulate matter 10 microns and less (PM-10). In addition, an 80% control efficiency has been applied for a well maintained fugitive dust plan which is part of the general permit, emissions controlled by water sprays and/or compliance with all opacity limits.

$$(2,000,000 \text{ tons/year}) \times (0.15 \text{ lb PM-10/ton of product}) \times (1 \text{ ton}/2000 \text{ lb}) \times (1 - 0.80) = 30 \text{ TPY}$$

Emissions from the burning of fuel in process equipment were not included because the fuel burning process itself is exempt from the permitting process under R 336.1285(g).

Pollutant	Annual Emissions - tons per year
Carbon Monoxide	NA
Sulfur Dioxide	NA
Volatile Organic Compounds	NA
Oxides of Nitrogen	NA
Particulate Matter less than 10 microns	30.0
Lead	NA

NA = Not Applicable

AMBIENT AIR IMPACTS

The general permit provides for opacity limits, a fugitive dust control program and the operation of control equipment when necessary to meet applicable emission limits. Based upon engineering judgment and past experience, operation of the nonmetallic mineral crushing facilities in compliance with the general permit to install terms and conditions will minimize impact upon the ambient air.

APPLICATION FOR A GENERAL PERMIT

If the owner/operator of a nonmetallic mineral crushing facility decides to install and operate the process under the terms of the general permit to install then it is the responsibility of the owner/operator to apply to the Department for coverage under the general permit. Installation of equipment prior to granting of a permit to install, including a general permit to install, is a violation of Rule 201. Application forms, which include all information necessary to determine qualification for and to ensure compliance with the general permit to install, are available on the Internet as part of this document or may be obtained by contacting Pam Knudsen at 517-373-7074. The Air Quality Home page is located at <http://www.michigan.gov/deq>.

The owner/operator shall submit the application forms to the AQD Permit Section. Upon receipt by the AQD, Permit staff will review the application for completeness. The general permit to install for nonmetallic mineral crushing facilities will be granted by the Department to sources, processes or process equipment that qualify, within 30 days of receipt of a complete application. The AQD will mail to the facility, a copy of the general permit to install and a letter acknowledging that the AQD is aware that the facility owner/operator intends to install and operate a nonmetallic mineral crushing facility in accordance with the terms and conditions of the general permit. The Department will maintain and make available to the public, upon request, a list of the persons that have been authorized to install and operate a stationary source, process or process equipment pursuant to each general permit to install issued by the Department.

**ATTACHMENT A
GENERAL CONDITIONS**

1. The process or process equipment covered by this general permit to install shall not be reconstructed, relocated, or modified unless a Permit to Install pursuant to Rule 201 authorizing such action is issued by the Department, or an application for coverage under a General Permit to Install pursuant to Rule 201a, is submitted to and approved by the Department. For the purpose of a general permit to install, the permittee is defined as any person who owns or operates a process or process equipment at the source for which coverage under the general permit has been granted.
2. Operation of any process or process 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. **[R336.1901]**
3. Operation of this equipment shall not interfere with the attainment or maintenance of the air quality standard for any air contaminant. **[R336.1207(1)(b)]**
4. 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 conditions or malfunction, whichever is first. The written reports shall include all of the information required in Rule 912(5).
5. Coverage under this general permit to install does not exempt the permittee from complying with any future regulation, which may be promulgated under Part 55 of 1994 PA 451.
6. Coverage under this general permit to install does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
7. The permittee shall notify any public utility of any excavation, tunneling and discharging of explosives or demolition of buildings which may affect said utility's facilities in accordance with Act 53 of the Public Acts of 1974, being sections 460.701 to 460.718 of the Michigan Compiled laws and comply with each of the requirements of that Act.
8. The restrictions and conditions of this general permit to install shall apply to any person or legal entity which now or shall hereafter own or operate the equipment for which coverage under this general permit to install is issued. A written request to the Department for a change in ownership or operational control of the process or process equipment shall be made pursuant to Rule 219.
9. If the installation of the equipment for which coverage under this general permit to install has been issued, has not commenced within, or has been interrupted for, 18 months, then the general permit to install shall become void unless otherwise authorized by the Department as a condition of the permit. Furthermore, the permittee shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909, if it is decided not to pursue the installation or construction of the equipment allowed by this general permit to install. **[R336.1201(4)]**

**ATTACHMENT A
GENERAL CONDITIONS**

10. Except as provided in subrules (2) and (3) or unless the special conditions of the general permit to install include an alternate opacity limit established pursuant to subrule (4) of R336.1301, the permittee shall not cause or permit to be discharged into the outer air from a process or process equipment a visible emission of a density greater than the most stringent of the following. The grading of visible emissions shall be determined in accordance with R336.1303. **[R336.1301(1)]**
 - 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 general permit to install.
11. 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 R336.1370(2). **[R336.1370]**
12. The Department may require the permittee to conduct acceptable performance tests, at the permittee's expense, in accordance with R336.2001 and R336.2003, under any of the conditions listed in R336.2001. **[R336.2001]**
13. Any required testing protocol shall conform to a format acceptable to the AQD. **[R336.2003(1)]**
14. Any required test results, which must be submitted to the AQD, shall conform to a format acceptable to the AQD. **[R336.2001(4)]**
15. Any air cleaning device shall be installed, maintained, and operated in a satisfactory manner and in accordance with the Michigan Air Pollution Control rules and existing law. **[R336.1910]**
16. Except as allowed by Rule 285(a), (b), and (c) the permittee shall not substitute any fuels, coatings, nor raw materials for those described in the application and allowed by this general permit, nor make changes to the process or process equipment described in the application, without prior notification to and approval by the Air Quality Division.
17. For a stationary source that becomes a major source, as defined by R336.1211(1)(a), upon receipt of approval for coverage under this general permit to install, an administratively complete application for a renewable operating permit shall be submitted not more than 12 months after the stationary source commences operation as a major source. Commencing operation as a major source occurs upon commencement of trial operation of the new or modified process or process equipment that increased the potential to emit of the stationary source to more than or equal to the applicable major source definition specified in R336.1211(1)(a).
18. For a stationary source that is already a major source with an existing renewable operating permit, the source shall notify the Department of the installation of the process or process equipment covered by this general permit, pursuant to R336.1215(3) or apply for a modification pursuant to R336.1216(2) prior to commencing operation. The notification or application to modify the renewable operating permit shall be made using a form approved by the Department.

**ATTACHMENT A CONTINUED
SPECIAL CONDITIONS**

I. DESIGN PARAMETERS	
A. Process Equipment Covered by General Permit	Crusher(s) and associated process equipment including grinding mills, drills, screening operations, bucket elevators, belt conveyors, loading and bagging operations, storage bins, enclosed truck or railcar loading stations and any other material handling equipment operated at the site. (R 336.1201a(1))
B. Pollution Control Equipment	Each crusher and screen shall be equipped with a water spray. A baghouse dust collector may alternatively be installed in lieu of water spray for any particular piece of equipment. Operation of the control equipment is required only when necessary to meet applicable emission limits. (R 336.1205, R 336.1301, R 336.1303, R 336.1331, R 336.1901, and R 336.1910)
C. Visible Emissions Limits (R 336.1205, R 336.1301, R 336.1901, 40 CFR 60.670)	
Equipment	Opacity Limit (%)
1. Any equipment enclosed within a building	No visible emissions
2. All crushers	15
3. Screens	10
4. Rock drills	5
5. Conveyors/Transfer points	10
6. Wash screens and all subsequent equipment downstream up to the next crusher or storage bin	No visible emissions
7. All equipment required by NSPS to be controlled by a baghouse	7
8. Wheel loaders and truck traffic	5
9. Material storage piles	5
10. Any other process equipment which is part of the nonmetallic mineral crushing facility or related processes	10
II. MATERIAL PROCESSING/EMISSION LIMITS	
A. Material	Maximum Process Rate/Applicable Requirement
Any non-metallic mineral	No more than 2,000,000 tons processed per year per site. (R 336.1205)
B. Pollutant	Maximum Emission Limit/Applicable Requirement
Particulate	0.04 pounds per 1,000 pounds of exhaust gas calculated on a dry gas basis for exhaust from each baghouse dust collector. (R 336.1331)
III. COMPLIANCE EVALUATION	
Records of all of the following shall be maintained on file for a period of 2 years (R 336.1201a(1))	
A. MONITORING/RECORDKEEPING - In Addition to General Conditions	
1. Parameter to be Recorded and Frequency	Daily and annual records of the amount of material processed for each site at which the facility operates. (R 336.1205)
2. Reports and Schedules	Made available to the DEQ-AQD upon request. (R 336.1201a(1))
B. TESTING - In Addition to General Conditions	
1. Parameter to be Tested	Visible emission rates and particulate emission rates from all New Source Performance (NSPS) subject crushers, screens, all transfer points on conveyors, and all other miscellaneous equipment associated with the nonmetallic mineral crushing facility and covered by the NSPS Subpart OOO. No less than 14 days prior to the anticipated test date, visible emission observation procedures must be approved by the District Supervisor. Also, no less than 7 days prior to the anticipated test date, the permittee shall notify the District Supervisor of the test date. If after the anticipated test date has been submitted to the District Supervisor, there is a delay in conducting the test, the permittee shall submit to the District Supervisor notice of the new test date. This notification shall be done a minimum of 3 days prior to the rescheduled test taking place. (R 336.2001)
2. Method/Analysis	In accordance with 40 CFR, Part 60, Subparts A and OOO. (R 336.2001)
3. Frequency/Schedule	Within 60 days after achieving maximum production rate, but not later than 180 days after initial startup of the nonmetallic mineral crushing facility. (R 336.2001)
4. Submittal of Test Results	To District Supervisor within 30 days following completion of the testing. (R 336.2001)

**ATTACHMENT A CONTINUED
SPECIAL CONDITIONS**

IV. OPERATIONAL PARAMETERS

1. The permittee shall notify the Air Quality Division, within 15 days after initial startup of the nonmetallic mineral crushing facility, of the actual date of initial startup. **(R 336.1201, 40 CFR, Part 60, Subpart A)**
2. The permittee shall label all equipment associated with the nonmetallic mineral crushing facility within 45 days of initial start up according to the company IDs specified in the application (Form EQP5756). Labels shall be in a conspicuous location on the equipment. **(R 336.1201, 40 CFR 60.670)**
3. Each crusher and screen shall be equipped with a water spray. A baghouse dust collector may be installed in lieu of water spray for any particular piece of equipment. The control equipment shall be properly operated as necessary to comply with all emission limits. **(R 336.1205, R 3361.301, R 336.1303, R 336.1331, and R 336.1910)**
4. The permittee shall not operate the nonmetallic mineral crushing facility unless the program for continuous fugitive emissions control for all facility roadways, the facility yard, all storage piles, and all material handling operations specified in Appendix A has been implemented and is maintained. **(R 336.1205, R 336.1371, R 336.1901)**
5. The permittee shall not crush any asbestos tailings or asbestos containing waste materials, as defined by the National Emission Standard for Hazardous Air Pollutants regulations, in the nonmetallic mineral crushing facility. **(40 CFR 61.141)**
6. The annual production limit of 2,000,000 tons per year per site shall not apply if the nonmetallic mineral crushing facility is operated at a location that is covered by a site specific air use permit. At such a location, the annual material processed shall be in conjunction with the production limit contained in the permit for that location. All other conditions and restrictions of this permit shall apply when operating at such location. **(R 336.1201, R 336.1205, R 336.1901)**

V. ALLOWED MODIFICATIONS

1. The permittee may replace any process equipment or control equipment, or may install new or additional process equipment or control equipment without applying for a new general permit to install application, provided all of the general permit to install applicability criteria will continue to be met after the replacement or modification. **(R 336.1201a(1))**
2. The permittee shall update the general permit by submitting a new Process Information form EQP5756 to the Permit Section and the District Supervisor, listing all existing and new or additional equipment added to the process, a minimum of 10 days before the equipment is installed. **(40 CFR, Part 60, Subpart OOO)**
3. All new or additional equipment subject to NSPS, Subpart OOO, which has not been previously tested, shall comply with the testing requirements of NSPS. **(40 CFR, Part 60, Subpart OOO and R 336.2001)**
4. The permittee shall notify the Air Quality Division, within 15 days after startup of any new or additional equipment, of the actual date of initial startup. **(40 CFR, Part 60, Subpart A)**
5. The permittee shall not relocate the nonmetallic mineral crushing facility to any new geographical site in Michigan unless all the following criteria are met: **(Act 451 324.5505(5), R 336.1201, R 336.1205, R 336.1901)**
 - a) The facility shall have no outstanding unresolved violations of any of the Michigan Department of Environmental Quality Air Pollution Control rules, orders, or permits; or Federal air quality regulations.
 - b) A notice of intent to relocate (Relocation Notice form EQP5757); a copy of the original general permit forms (EQP5727, EQP5729 and EQP5756); any Process Information forms for previous modifications; and a proposed site plan identifying the proposed new geographical site and the probable duration at the new site shall be provided to the appropriate district office and the Permit Section not less than 10 days prior to the scheduled relocation. All residential or commercial establishments and places of public assembly within 1,000 feet of the proposed facility site shall be clearly identified on the proposed site plan.
 - c) The crusher(s) shall be located a minimum of 500 feet from any residential or commercial establishment or place of public assembly.
 - d) A copy of this general permit and conditions shall be clearly posted in the operator's office or workstation.

ATTACHMENT A CONTINUED

APPENDIX A Fugitive Dust Control Plan

I. Plant

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

II. 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 six inches of the top of any sideboard, side panel or tailgate, otherwise, the truck shall be tarped.

III. Site Roadways and the 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 an opacity limit of five percent.
- (b) All paved roadways and the plant yards shall be swept as needed between applications of dust suppressants.
- (c) Any material spillage on roads shall be cleaned up immediately.
- (d) A record of all applications of dust suppressants and roadway and the plant yard sweepings shall be kept on file for the most recent five-year period and be made available to the AQD upon request.

IV. 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 an opacity limit of five 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.
- (c) A record of all watering shall be kept on file for the most recent five-year period and be made available to the AQD upon request.

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 the permitted opacity limits are not being met.

**GENERAL PERMIT TO INSTALL APPLICATION****GENERAL INFORMATION**

FOR DEQ USE ONLY

PERMIT NUMBER

Authorized under 1994 PA 451, as amended. Completion of form is required. Applicant may be subject to civil and/or criminal penalties for providing false information.

Instructions: Use this form to request authority to install and operate a source, process or process equipment under the terms and conditions of a general permit to install pursuant to Rule 201a. Prepare this form together with one or more of the forms identified in Item 19, according to type of source, process or process equipment, which will be installed and operated. Please submit all information, including forms, in duplicate. **NOTE:** This general permit does not apply to a source, process, or process equipment that is included in a Permit to Install pursuant to Rule 201 and is further referenced in an outstanding consent order or consent judgement.

1. FACILITY CODES		STATE REGISTRATION NUMBER (SRN)		STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE	
		[][][][][]		[][][][][]	
2. APPLICANT NAME (<i>Business license name of the corporation, partnership, individual or government agency that owns the facility</i>)					
3. APPLICANT MAILING ADDRESS (<i>Street Address or P.O. Box Number</i>)					
4. CITY		5. STATE		6. ZIP CODE	
7. NAME OF AUTHORIZED COMPANY MEMBER					
8. TITLE (<i>person identified in Item 7</i>)			9. TELEPHONE NO. (<i>person identified in Item 7</i>)		
			() -		
10. CONTACT PERSON (<i>technical point of contact, if different than name in Item 7</i>)			11. TELEPHONE NO. (<i>contact person</i>)		
			() -		
12. EQUIPMENT OR PROCESS LOCATION (<i>complete Items 12 - 15 if different than mailing address</i>)					
13. CITY		14. ZIP CODE		15. COUNTY	
16. EQUIPMENT IS (<i>check one</i>) <input type="checkbox"/> New <input type="checkbox"/> Existing			17. PRIOR AIR PERMIT NO. (<i>existing equipment only</i>)		
18. EQUIPMENT OR PROCESS INSTALLATION TIMETABLE (<i>enter dates in Items 18a - 18d for those which apply</i>)					
FOR NEW EQUIPMENT (PROCESS INSTALLATION OR CONSTRUCTION)			18a. START DATE		18b. COMPLETION DATE
FOR EXISTING EQUIPMENT (PROCESS MODIFICATION OR RELOCATION)			18c. START DATE		18d. COMPLETION DATE
19. THE FOLLOWING COMPLETED FORMS ARE ATTACHED TO AND MADE A PART OF THIS PERMIT APPLICATION (<i>check all that apply</i>)					
TYPE OF FORM					NUMBER ATTACHED
<input type="checkbox"/>	EQP	[][][][][]	PROCESS INFORMATION		
<i>(complete one form for each process - insert form number and type of process in spaces provided)</i>					
<input type="checkbox"/>	EQP5729 - ADDITIONAL INFORMATION				
20. SIGNATURE (<i>person identified in Item 7</i>)					21. DATE

Applicant Certification: I certify, under penalty of law, that this permit application and the attachments identified in Item 19 were prepared by me, or under my direction or supervision in accordance with a system to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. In addition, the equipment described in this application meets the necessary criteria for applicability for a General Permit to Install. Furthermore, I certify that I can and will comply with all conditions outlined in the General Permit to Install. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Submit this completed application and the attachments identified in Item 19 to:

PERMIT SECTION, AIR QUALITY DIVISION
MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
P.O. BOX 30260, LANSING, MI 48909-7760

DEQ USE ONLY - DO NOT WRITE BELOW

DATE APPLICATION COMPLETE	DATE OF DETERMINATION OF NON-APPLICABILITY
DATE GENERAL PERMIT TO INSTALL GRANTED	SIGNATURE
DATE GENERAL PERMIT TO INSTALL REVOKED	SIGNATURE



GENERAL PERMIT TO INSTALL APPLICATION

PERMIT NUMBER

PROCESS INFORMATION - NONMETALLIC MINERAL CRUSHING (PAGE 1 OF 2)

Authorized under 1994 PA 451, as amended. Completion of form is required. Applicant may be subject to civil and /or criminal penalties for providing false information.

Instructions: Use this form to request authority to install and operate a nonmetallic mineral crushing facility under the terms and conditions of a general permit to install pursuant to Rule 201a or to modify an existing general permit. If two or more primary crushers operate in parallel, each constitutes a separate facility. Complete a separate form for each facility. Prepare this form together with form EQP5727 and any other forms identified in Item 19 of form EQP5727.

For a Modification: Complete Items 1 - 8. Identify all existing and new or additional process equipment. Submit pages 1 and 2 of this form to the Permit section and the appropriate district office. See district map for office locations.

1. FACILITY CODE STATE REGISTRATION NUMBER (SRN) 2. MINE/QUARRY NAME: SECTION: TOWNSHIP: RANGE: 3. AMOUNT TO BE PROCESSED AT THIS SITE (tons per year): 4. DESCRIPTION (Brief description of this facility or proposed modification. Attach a detailed site map showing all site characteristics including the location of any residential and/or commercial establishments and places of public assembly located within 1,000 feet of the proposed site): 5. Does this facility have any outstanding unresolved air violations? 6. Are the crusher(s) located a minimum of 500 feet from all residential or commercial establishments or places of public assembly? 7. Was this facility previously permitted pursuant to Rule 201? 8a. Application is for a: 8b. FOR A MODIFICATION: Is the facility currently in compliance with all conditions of the existing general permit, including but not limited to the testing of all NSPS subject equipment?

Instructions for completing the following items: Each piece of equipment must have a Device Identification (ID). The ID may be any combination of up to 10 letters, numbers or keyboard characters with no spaces between characters. Provide the Device ID and all other information for each piece of process equipment at the facility. Use as many copies of page 2 as needed to list all process equipment.

DEVICE DESCRIPTION (crusher-type screen conveyor drill etc.): DEVICE ID (Assign an identification number for this device): MAKE AND MODEL: SERIAL NUMBER: MANUFACTURED DATE: MAXIMUM RATED CAPACITY (tons per hour): CONTROL? CONTROL TYPE: NSPS SUBJECT? IF YES, HAS DEVICE BEEN TESTED? IF TESTED, DATE TEST PASSED:

DEVICE DESCRIPTION (crusher-type screen conveyor drill etc.): DEVICE ID (Assign an identification number for this device): MAKE AND MODEL: SERIAL NUMBER: MANUFACTURED DATE: MAXIMUM RATED CAPACITY (tons per hour): CONTROL? CONTROL TYPE: NSPS SUBJECT? IF YES, HAS DEVICE BEEN TESTED? IF TESTED, DATE TEST PASSED:

This page must be certified by an authorized company member

Applicant Certification: I certify, under penalty of law, that this permit application and any attachments were prepared by me, or under my direction or supervision in accordance with a system to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. In addition, the equipment described in this application meets the necessary criteria for applicability for a General Permit to Install. Furthermore, I certify that I can and will comply with all conditions outlined in the General Permit to Install. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Authorized Company Member: Date:

For a new general permit attach this completed form to and submit it with form EQP5727, following the instructions given on EQP5727.



GENERAL PERMIT TO INSTALL APPLICATION
NONMETALLIC MINERAL CRUSHING- (PAGE 2 OF 2)

FOR DEQ USE ONLY
PERMIT NUMBER

Authorized under 1994 PA 451, as amended. Completion of form is required. Applicant may be subject to civil and /or criminal penalties for providing false information.

Instructions for completion of the following items: Page 1 of this form must be completed and certified by an authorized company member. Provide the Device ID and all other information for each piece of process equipment at the facility. Use as many copies of this page as needed to list all process equipment.

For a modification to an existing general permit: Provide the information for all existing and new or additional process equipment. Submit pages 1 and 2 to the Permit section and the appropriate district office. See district map for office locations.

Form 1: Device description, ID, make/model, serial number, capacity, control type, and testing status.

Form 2: Device description, ID, make/model, serial number, capacity, control type, and testing status.

Form 3: Device description, ID, make/model, serial number, capacity, control type, and testing status.

Form 4: Device description, ID, make/model, serial number, capacity, control type, and testing status.

Form 5: Device description, ID, make/model, serial number, capacity, control type, and testing status.

For a new general permit attach this completed form to and submit it with form EQP5727, following the instructions given on EQP5727.



GENERAL PERMIT TO INSTALL APPLICATION
RELOCATION NOTICE

FOR DEQ USE ONLY

PERMIT NUMBER

Authorized under 1994 PA 451, as amended. Completion of form is required. Applicant may be subject to civil and /or criminal penalties for providing false information.

Instructions: Use this form to request authority to relocate a nonmetallic mineral processing facility under the terms and conditions of a general permit to install pursuant to Rule 201a. A copy of the original general permit forms (EQP5727, EQP5729, and EQP5756) and any additional Process Information forms for modifications for this plant must be submitted with this form. Attach a detailed site map for the new location which shows all site characteristics including the location of any residential and/or commercial establishments and places of public assembly which are located within 1,000 feet of the proposed site.

Form with 31 numbered sections: 1. FACILITY CODES (SRN, SIC); 2. APPLICANT NAME; 3. APPLICANT MAILING ADDRESS; 4. CITY; 5. STATE; 6. ZIP CODE; 7. NAME OF AUTHORIZED COMPANY MEMBER; 8. TITLE; 9. TELEPHONE NO.; 10. CONTACT PERSON; 11. TELEPHONE NO.; CURRENT PLANT LOCATION (12-20); NEW PLANT LOCATION (21-28); 29. DATES PLANT TO BE LOCATED AT THIS SITE; 30. AMOUNT TO BE PROCESSED AT THIS SITE; 31. DIRECTIONS FROM NEAREST TOWN.

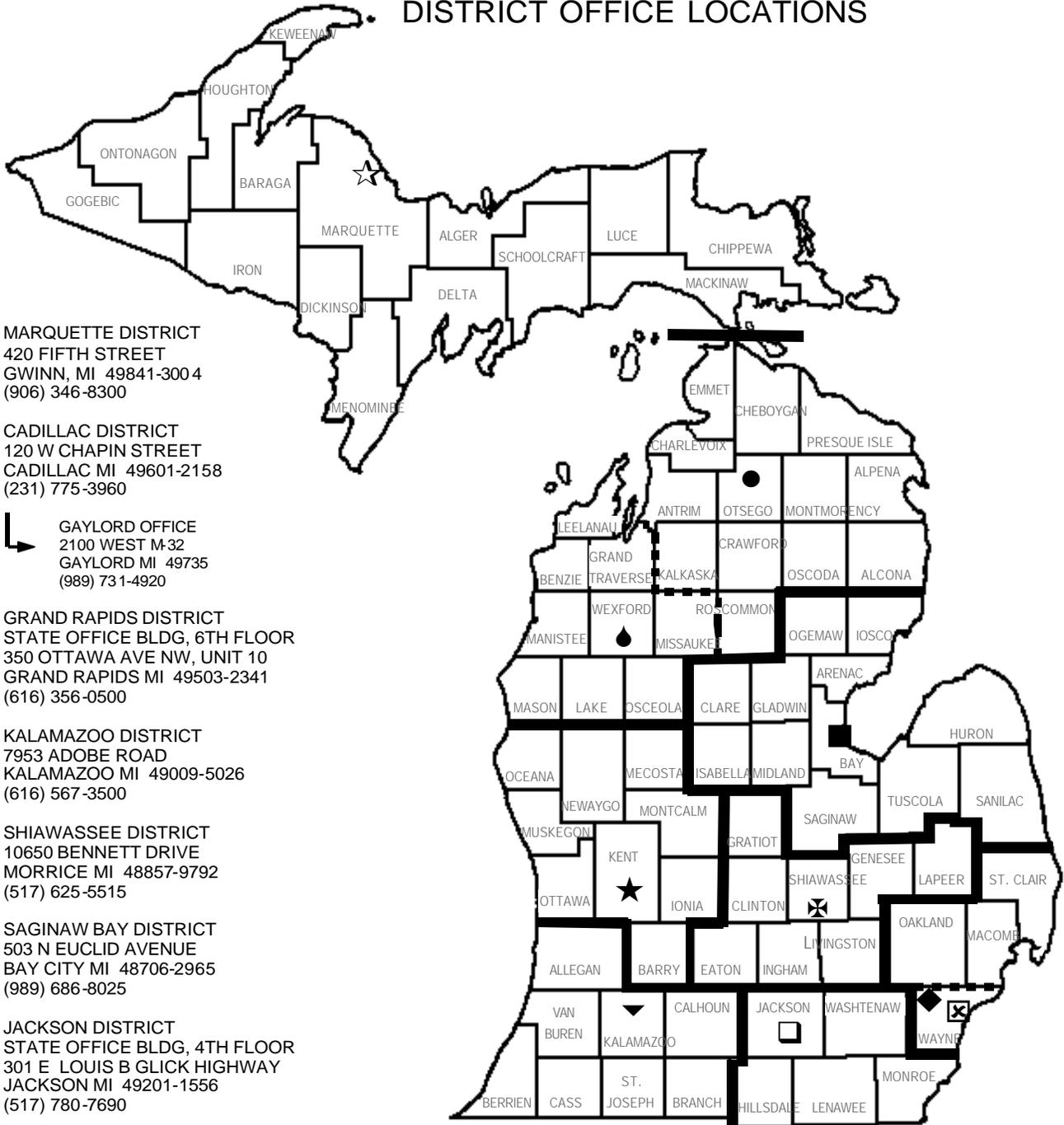
Applicant Certification: I certify, under penalty of law, that this permit application and any attachments were prepared by me, or under my direction or supervision in accordance with a system to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. In addition, the equipment described in this application meets the necessary criteria for applicability for a General Permit to Install. Furthermore, I certify that I can and will comply with all conditions outlined in the General Permit to Install. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

32. Signature (person identified in Item 7); 33. Date:

Submit this completed application and any attachments to the Permit Section and the appropriate district office for the new location. See district map for office locations.



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
 DISTRICT OFFICE LOCATIONS



★ MARQUETTE DISTRICT
 420 FIFTH STREET
 GWINN, MI 49841-3004
 (906) 346-8300

● CADILLAC DISTRICT
 120 W CHAPIN STREET
 CADILLAC MI 49601-2158
 (231) 775-3960

● GAYLORD OFFICE
 2100 WEST M-32
 GAYLORD MI 49735
 (989) 731-4920

★ GRAND RAPIDS DISTRICT
 STATE OFFICE BLDG, 6TH FLOOR
 350 OTTAWA AVE NW, UNIT 10
 GRAND RAPIDS MI 49503-2341
 (616) 356-0500

▼ KALAMAZOO DISTRICT
 7953 ADOBE ROAD
 KALAMAZOO MI 49009-5026
 (616) 567-3500

✠ SHIAWASSEE DISTRICT
 10650 BENNETT DRIVE
 MORRICE MI 48857-9792
 (517) 625-5515

■ SAGINAW BAY DISTRICT
 503 N EUCLID AVENUE
 BAY CITY MI 48706-2965
 (989) 686-8025

□ JACKSON DISTRICT
 STATE OFFICE BLDG, 4TH FLOOR
 301 E LOUIS B GLICK HIGHWAY
 JACKSON MI 49201-1556
 (517) 780-7690

◆ SOUTHEAST MICHIGAN DISTRICT
 38980 SEVEN MILE ROAD
 LIVONIA MI 48152-1006
 (734) 953-8905

✠ DETROIT OFFICE
 CADILLAC PLACE, SUITE 2-300
 3058 WEST GRAND BLVD
 DETROIT MI 48202
 (313) 456-4700

AIR QUALITY INTERNET ADDRESS:
<http://www.michigan.gov/deq> and select "AIR"