



The purpose of the form is to help you determine if you qualify for the Air Emission General Permit for Nonmetallic Mineral Processing. Complete the questions until instructed that you do not qualify for the General Permit or you reach the end. If you do not qualify for the general permit, you should determine what type of air permit (part 70, state, registration) is appropriate and submit the appropriate permit application to the Minnesota Pollution Control Agency (MPCA). Application forms for all permit types are available on the MPCA Web site at: <http://www.pca.state.mn.us/air/permits/forms.html>.

For many companies applying for the general permit, all of your plants may qualify for the general permit. You only need to complete one general permit application and use a single general permit to cover all of your eligible plants. If your company has plants which do not qualify for this general permit in addition to those which do qualify, you need to submit a separate permit application for an individual permit for each non-qualifying plant. If you have questions, please call 651-296-6300 (metro and outside Minnesota) or 1-800-657-3864 (outside Minnesota Metro area).

Qualification Questions

1) Will you produce or process material that does **not** fit into one of the categories listed below?

- Crushed and broken limestone
- Crushed and broken granite
- Crushed and broken stone
- Construction sand and gravel
- Recycled concrete
- Recycled asphalt pavement
- The initial steps in producing manufactured sand
- Other de minimis quantities: A de minimis quantity is a quantity of materials, other than those listed above, that may be produced or processed such that the total amount of actual emissions from producing or processing of all de minimis quantities in any calendar year at any stationary source location must be less than one ton (i.e., 1 ton/year per site) of Particulate Matter (PM). No pollutants other than PM, particulate matter less than 2.5 microns (PM_{2.5}), and Particulate Matter less than 10 microns (PM₁₀) may be emitted as a result of producing or processing the other material, except those emitted from the operation of associated internal combustion engines, air separators, and sand heaters. Whenever the permittee produces or processes de minimis quantities of other materials, calculations of the projected and actual PM, PM_{2.5}, and PM₁₀ emissions from producing or processing de minimis quantities must be kept by the permittee along with records of the dates, site, tons of material produced or processed and a description of the material.

- ☐ Yes, at all locations where our company will operate. **Stop**, you do not qualify for the general permit.
- ☐ Yes, but not at all locations where our company will operate; you may qualify for the general permit, but need to apply for an individual permit for each site where such non-qualifying material is processed. Continue to question 2.
- ☐ No. Continue to question 2.

Note: Questions 2-10 relate to the equipment to be covered under the nonmetallic mineral processing general permit. If you have equipment which is covered under an individual permit (part 70, state, or registration) for an asphalt plant, the equipment is allowed as long as the asphalt plant follows the nonmetallic mineral processing plant process and operates in accordance with its corresponding asphalt plant permit.

2) Will you have emission units at plants you intend to cover with this general permit **other** than those listed below?

- Crushers (subject to the fines crushing limitation described below)
- Screens
- Wet screening operations and associated transfer operations downstream of the wet screening operation in the production line process up to, but not including, the next crusher in the production line of a nonmetallic mineral processing plant. A wet screening operation means a screening facility designed and operated to remove unwanted material from the product by a washing process whereby the product is completely saturated with water in a slurry.

- Transfer operations (including belt conveyors, enclosed truck/railcar loading stations, bucket elevators, storage bins, stackers, ladders, chutes, classifications screws, feeders, pneumatic systems, and bagging operations)
- Internal combustion engines/Generators
- Storage piles
- Paved and unpaved roads and parking lots
- Bulldozers, loaders, and other related vehicles
- Sand Heaters
- Air Separators
- Insignificant activities as defined in Minn. R. 7007.1300, subp. 2 and 3 (www.revisor.leg.state.mn.us/rules/?id=7007.1300)
- Exempt Air Emissions as defined in Minn. R. 7008 (www.revisor.leg.state.mn.us/rules/?id=7008)

Notes:

- (a) For clarification, specific examples of equipment not allowed to be operated at a location covered by this general permit include: grinding mills; air conveying systems; air classifiers; calciners; and aggregate dryers.
- (b) Fines Crushing Limitation: Crushing material to a maximum size of 3/16 inch or smaller in any calendar year at any stationary source location covered by this general permit is limited to less than 50,000 tons (i.e., 50,000 tons/year per site). Whenever the permittee performs fines crushing, records must be kept by the permittee indicating the dates, site, and tons of material produced or processed as well as a description of the material. Crushing material to a maximum size of 3/16 inch is referred to in this general permit as "fines crushing." Fines crushing involves the production of manufactured sand and products of a similar size.
- (c) See 40 CFR Section 60.671 for a definition of Wet screening operation(s).

- ☐ Yes, at all locations where our company will operate. **Stop**, you do not qualify for the general permit
- ☐ Yes, but not at all locations where our company will operate; you may qualify for the general permit, but need to apply for an individual permit for each site where such non-qualifying emission units are used. Continue to question 3.
- ☐ No. Continue to question 3.
- 3) Has an environmental assessment worksheet (EAW) or environmental impact statement (EIS) been done on the sites you intend to cover with this general permit that resulted in air-related conditions not included in the General Permit for Nonmetallic Mineral Processing? Contact the Minnesota Environmental Quality Board if you need more information about the environmental review process at 651-201-2492.
- ☐ Yes, at all locations where our company will operate. **Stop**, you do not qualify for the general permit
- ☐ Yes, but not at all locations where our company will operate; you may qualify for the general permit, but need to apply for an individual permit for each site where such non-qualifying emission units are used. Continue to question 4.
- ☐ No. Continue to question 4.
- 4) Will you have non-emergency generator(s) you intend to cover with this general permit?
- ☐ Yes. Continue to question 5.
- ☐ No. Continue to question 6.
- 5) Will the non-emergency generator(s) you intend to cover with this general permit be able to meet the conditions listed below?

Capacity allowed to operate simultaneously horsepower	Minimum stack height feet (meters)	Minimum distance between engines and site boundaries feet (meters)
500	14 (4.27)	60 (18.30)
750	14 (4.27)	135 (41.15)
1000	14 (4.27)	210 (64.0)
1500	14 (4.27)	330 (100)

- ☐ Yes, at all locations where our company will operate. Continue to question 6.
- ☐ Yes, but not at all locations where our company will operate; you may qualify for the general permit, but need to apply for an individual permit for each site where such non-qualifying emission units are used. Continue to question 7.
- ☐ No. **Stop**, you do not qualify for the general permit.

- 6) Will you have a compression ignition internal combustion engine you intend to cover with this general permit which is greater than 30 liters per cylinder?
- ☐ Yes, at all locations where our company will operate. **Stop**, you do not qualify for the general permit.
- ☐ Yes, but not at all locations where our company will operate; you may qualify for the general permit, but need to apply for an individual permit for each site where such non-qualifying emission units are used. Continue to question 7.
- ☐ No. Continue to question 7.
- 7) Will you have a spark ignition internal combustion engine you intend to cover with this general permit which is greater than or equal to 500 horsepower?
- ☐ Yes, at all locations where our company will operate. **Stop**, you do not qualify for the general permit
- ☐ Yes, but not at all locations where our company will operate; you may qualify for the general permit, but need to apply for an individual permit for each site where such non-qualifying emission units are used. Continue to question 8.
- ☐ No. Continue to question 8.
- 8) Will you have a volatile organic liquid storage vessel (including petroleum liquids) you intend to cover with this general permit which greater than 19,815 gallons?
- ☐ Yes, at all locations where our company will operate. **Stop**, you do not qualify for the general permit
- ☐ Yes, but not at all locations where our company will operate; you may qualify for the general permit, but need to apply for an individual permit for each site where such non-qualifying emission units are used. Continue to question 9.
- ☐ No. Continue to question 9.
- 9) Will you have emission units at plants you intend to cover with this general permit which are subject to New Source Performance Standards (NSPS) other than any of those listed below?
- Subpart OOO Nonmetallic Mineral Processing Plants (Including Sand and Gravel Processing)
 - Subpart IIII Stationary Compression Ignition Internal Combustion Engines
 - Subpart JJJJ Spark Ignition Internal Combustion Engines
 - Subpart Kb Volatile Organic Liquid Storage Vessels (including Petroleum Liquids)
- ☐ Yes, at all locations where our company will operate. **Stop**, you do not qualify for the general permit
- ☐ Yes, but not at all locations where our company will operate; you may qualify for the general permit, but need to apply for an individual permit for each site where such non-qualifying emission units are used. Continue to question 10.
- ☐ No. Continue to question 10.
- 10) Will you have emission units at plants you intend to cover with this general permit which are subject to a National Emission Standards for Hazardous Air Pollutants (NESHAP) other than CFR pt. 63, subp. ZZZZ, Reciprocating Internal Combustion Engines (Area Sources)?
- Subp. ZZZZ imposes control requirements for hazardous air pollutants from **new** stationary internal combustion engines. A new stationary spark ignition engine is one that is manufactured or ordered after June 12, 2006. Compliance with this NESHAP requires compliance with the New Source Performance Standard for Spark Ignition Internal Combustion Engines (40 CFR Part 60 Subp. JJJJ). A new compression ignition engine is one that was ordered by the owner or operator after July 11, 2005. Compliance with Subp. ZZZZ for Reciprocating Internal Combustion Engines requires compliance with the New Source Performance Standard for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60, Subp. IIII) or New Source Performance Standard for Spark Ignition Internal Combustion Engines (40 CFR 60, Subp. JJJJ). [40 CFR pt. 63, subp. ZZZZ: www.epa.gov/ttn/atw/rice/ricepg.html]
- ☐ Yes, at all locations where our company will operate. **Stop**, you do not qualify for the general permit
- ☐ Yes, but not at all locations where our company will operate; you may qualify for the general permit, but need to apply for an individual permit for each site where such non-qualifying emission units are used. Continue to question 11.
- ☐ No. Continue to question 11.
- 11) Will you use any fuels **other** than the following?
- Diesel fuel
 - Diesel fuel blend with and up to 20 percent biodiesel
 - Natural gas
 - Propane
 - Gasoline

- ☐ Yes. **Stop**, you do not qualify for the general permit
- ☐ Yes, but not at all locations where our company will operate; you may qualify for the general permit, but need to apply for an individual permit for each site where you do not intend to do this. Continue to question 12.
- ☐ No. Continue to question 12.

12) Will you burn fuel greater than the limits listed below at each of your stationary source locations?

a) For locations using **one** type of fuel.

Fuel Type	Limit
Diesel fuel	291,545 gallons/year
Diesel fuel blend with up to 20% biodiesel	317,851 gallons/year
Natural gas	53 million cubic feet/year
Propane	1.3 million gallons/year
Gasoline	21,221 gallons/year

b) For locations using **multiple** types of fuel, use the Stationary Internal Combustion Engines Fuel Use, form NM-EN, to determine the limits at each location.

- ☐ Yes, at all locations where our company will operate; **Stop**, you do not qualify for the general permit.
- ☐ Yes, but not at all locations where our company will operate; you may qualify for the general permit, but need to apply for an individual permit for each site where you use something other than these fuels and/or amounts. Continue to Compliance Certification.
- ☐ No. Continue to Compliance Certification.

Compliance Certification

13) Complete the attached Compliance Certification form (NM-06) to determine if you are in compliance with all applicable requirements and if you qualify for the general permit. After completing the compliance certification form, continue with question 14.

14) Did you indicate "in compliance" (or "unknown" or "not applicable," if appropriate) for requirements listed on the NM-06 form?

- ☐ Yes; you may qualify for the general permit. Continue to question 16.
- ☐ No; you may qualify for the general permit. Continue to question 15.

15) Did you indicate "in compliance" (or "unknown" or "not applicable") for requirements except that you do not have a permit and/or you currently are not in compliance with NSPS Subpart 000 requirements?

- ☐ Yes; you may qualify for the general permit. Continue to question 16.
- ☐ No. **Stop**, you do not qualify for the general permit.

16) Do you plan to construct and operate stationary sources (as defined in Minn. R. 7005.0100, subp. 42c - www.revisor.leg.state.mn.us/rules/?id=7005.0100) -- essentially meaning plants or sites -- where the numbers, or cumulative capacities, of crushers, screens, and transfer operations, and annual production are outside the ranges allowed under the general permit, as indicated in the attached Stationary Source Designation Matrix ? (Be sure to include any of your subcontractors at a multiple-party site.)

- ☐ Yes, at all locations where our company will operate. **Stop**, you do not qualify for the general permit
- ☐ Yes, but not at all locations where our company will operate; you qualify for the general permit, but need to apply for an individual permit for each site where the above cumulative capacity qualifying criteria are not met. Continue completing the other required application forms.
- ☐ No, you qualify for the general permit. Continue completing the other required application forms.

Nonmetallic Mineral Processing General Permit -- Stationary Source Designation Matrix

Table 1 - Annual Production versus Numbers of Units

Table 1. Stationary Source Category Annual Production (tons) - Up to:													
Category	Number of Units			Stationary Source Annual Production (tons)									
	Crushers	Screens	Transfer Operations	500,000	1,000,000	1,250,000	1,500,000	1,750,000	2,000,000	2,250,000	2,500,000	2,750,000	3,000,000
A	1	1	10	small	small	small	small	medium	medium	medium	medium	medium	large
B	2	2	20	small	small	small	small	medium	medium	medium	large	large	large
C	3	3	30	small	small	small	medium	medium	medium	large	large	large	not allowed
D	4	4	40	small	small	small	medium	medium	large	large	not allowed	not allowed	not allowed
E	5	5	50	small	small	medium	medium	large	large	not allowed	not allowed	not allowed	not allowed
F	6	6	60	small	small	medium	medium	large	not allowed	not allowed	not allowed	not allowed	not allowed
G	7	7	70	small	small	medium	large	not allowed	not allowed	not allowed	not allowed	not allowed	not allowed
H	8	8	80	medium	medium	medium	large	not allowed	not allowed	not allowed	not allowed	not allowed	not allowed

Table 2 - Annual Production versus In-Place Capacity

Table 2. Stationary Source Category Annual Production (tons) Versus In-Place Capacity													
Category	Cumulative In-Place Capacity (tph)			Stationary Source Annual Production (tons) Up to:									
	Crushers	Screens	Transfer Operations	500,000	1,000,000	1,250,000	1,500,000	1,750,000	2,000,000	2,250,000	2,500,000	2,750,000	3,000,000
I	750	750	7500	small	small	small	medium	medium	medium	large	large	large	not allowed
II	1250	1250	12500	medium	medium	medium	medium	medium	large	large	not allowed	not allowed	not allowed
III	2500	2500	25000	large	large	large	large	large	large	not allowed	not allowed	not allowed	not allowed

Stationary sources using Table 2 with cumulative capacities above 2,500 tons per hour (tph) for crushers or for screens or above 25,000 tph for transfer operations are not allowed under this general permit.

If Table 2 is used for determining the stationary source designation, in order to demonstrate compliance with the cumulative capacity limitation, the permittee must keep an up-to-date record (e.g., a site plan or process flow diagram), showing the cumulative in-place capacity of each equipment type at the stationary source. This record does not need to identify specific unique identifying numbers for pieces of equipment. It may be generic in nature, but must be sufficiently detailed to determine the cumulative capacity of all equipment types at the stationary source.