



# United States Environmental Protection Agency General Permit for New or Modified Minor Sources of Air Pollution in Indian Country

<http://www.epa.gov/air/tribal/tribalnsr.html>

## Questionnaire: Stone Quarrying, Crushing, and Screening Facilities

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### Does the General Permit apply to my facility?

The following questionnaire is intended to help you, the facility owner or operator, determine whether or not you are eligible for a General Air Quality Permit for True Minor Source Stone Quarrying, Crushing, and Screening Facilities. You are not required to complete it and this questionnaire is not necessary to apply for a General Air Quality Permit for True Minor Source Stone Quarrying, Crushing, and Screening Facilities. This questionnaire does not cover all of the General Air Quality Permit requirements and does not guarantee approval of a true minor source preconstruction permit under this program.

### Description of Stone Quarrying, Crushing, and Screening Facilities

A Stone Quarrying, Crushing, and Screening Facility is any stationary or portable non-metallic mineral processing facility which uses rock crushers, grinding mills, screening operations, bucket elevators, belt conveyors, bagging operations, storage bins, storage piles, truck loading stations, or railcar loading stations to process sand, gravel, or mineral aggregate or that mines sand and gravel for construction. This Stone Quarrying, Crushing, and Screening Facilities Questionnaire is for stone quarrying, crushing, and screening facilities that are not major sources of air pollution and that are located, or planning to locate, within Indian Country.

### About this Questionnaire

The questions focus on general information pertaining to your existing or future sand, gravel, rock crushing, and screening facility. The questionnaire is not meant to be exhaustive and only requires knowledge of basic facility information, including process rates, raw material throughput, and fuel usage.

### You should continue with this Questionnaire if you:

- Plan to construct a new, true minor source stone quarrying, crushing, and screening facility within Indian Country;
- Plan to modify an existing, true minor source stone quarrying, crushing, and screening facility located within Indian Country;
- Have a potential to emit (PTE) less than the New Source Review (NSR) major source thresholds and equal to or above the minor NSR applicability thresholds. See the "Does my Stone Quarrying, Crushing, and Screening Facility Need or Qualify for a Minor Source Permit?" section below;
- Are located in an attainment area for ozone or a marginal or moderate nonattainment area for ozone and, after the proposed construction or modification project, your facility's fuel usage for all combustion sources is projected to be less than a combined total of 310,000 gallons of combined fuel consumption in any continuous rolling 12-month period;
- Are located in a serious/severe/extreme ozone nonattainment area and, after the proposed construction or modification project, your facility's fuel usage for all combustion sources is projected to be less than a combined total of 153,000/80,000/30,000 gallons of diesel fuel over a consecutive 12 month period, respectively;
- After the proposed construction or modification project, your uncontrolled facility is projected to process less than 10,500,000 tons of raw material throughput in any continuous rolling 12-month period;
- Do not know whether your facility needs a permit, or if you do not know the attainment status of your area; and you want to find out whether or not you should apply for a minor source general permit or a major source permit for a stone quarrying, crushing, and screening facility; and

- Intend to satisfy the requirements of the Endangered Species Act (ESA) and National Historic Preservation Act (NHPA) according to the method provided in the application documents for the General Air Quality Permit for True Minor Source Stone Quarrying, Crushing, and Screening Facilities.

**More Information**

The definition of a “modification” and “PTE” can be found at 40 CFR 49.152(d) and in the “Instructions” document. Additional information on the applicability of the Indian Country NSR rule can be found at 40 CFR 49.153.

Information on the ozone attainment status of the area where your facility is located can be found at: <http://www.epa.gov/airquality/greenbook/>. You may also contact your reviewing authority for information on your attainment status.

Please contact your reviewing authority if you have questions or need assistance. A list of reviewing authorities, their area of coverage, and contact information can be found in Attachment D to the General Air Quality Permit for True Minor Source Stone Quarrying, Crushing, and Screening Facilities or visit: <http://www.epa.gov/air/tribal/tribalnsr.html>

**Questionnaire for Stone Quarrying, Crushing, and Screening Facilities**

**Part 1: Does my Stone Quarrying, Crushing, and Screening Facility Need or Qualify for a True Minor Source Permit?**

The following questions are meant to determine whether or not your stone quarrying, crushing, and screening facility qualifies for a general permit.

1. Is the PTE of your facility less than 250 tons per year (tpy) for particulate matter (PM, PM<sub>10</sub>, or PM<sub>2.5</sub>), VOC, nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), and sulfur dioxide (SO<sub>2</sub>)? Be sure to include all existing, new, and modified emission units.

Yes       No

If you answered ‘**No,**’ your source does not qualify for the minor NSR program. Please contact your reviewing authority to apply for a site-specific permit. If you answered ‘**Yes,**’ continue on to the next question.

2. Is the PTE of your new facility or the emissions increase from your modified existing facility equal to or above the applicable minor NSR thresholds listed below for ANY pollutant? The emissions from your facility may be calculated using the PTE calculator provided. Be sure to include all new, modified, or existing emission units when determining PTE.

Pollutant	Attainment Area	Nonattainment Area
CO	10 tpy	5 tpy
PM	10 tpy	5 tpy
PM <sub>10</sub>	5 tpy	1 tpy
PM <sub>2.5</sub>	3 tpy	0.6 tpy
SO <sub>2</sub>	10 tpy	5 tpy
NO <sub>x</sub>	10 tpy	5 tpy

Pollutant	Attainment Area	Nonattainment Area
VOC	5 tpy	2 tpy

Yes     No

If you answered **'No,'** your source is exempt from the minor NSR program. Please contact reviewing authority to confirm that your facility will not need a permit. If you answered **'Yes,'** continue on to the next question.

3. If located in a nonattainment area for any pollutant, is the PTE of your facility for the particular nonattainment pollutant less than the NSR major source thresholds specified in the table below (based on nonattainment classification)? Be sure to include all existing, new, and modified emission units.

Pollutant	Nonattainment Classification	NSR Major Source Threshold
Ozone	Marginal	100 tpy of VOC or NO <sub>x</sub>
	Moderate	100 tpy of VOC or NO <sub>x</sub>
	Serious	50 tpy of VOC or NO <sub>x</sub>
	Severe	25 tpy of VOC or NO <sub>x</sub>
	Extreme	10 tpy of VOC or NO <sub>x</sub>
PM <sub>10</sub>	Moderate	100 tpy
	Serious	70 tpy
CO	Moderate	100 tpy
	Serious	50 tpy
SO <sub>2</sub> , NO <sub>2</sub> , PM <sub>2.5</sub>	No nonattainment classification	100 tpy

Yes     No     Not Applicable

If you answered **'No,'** your source does not qualify for the minor NSR program. Please contact your reviewing authority to apply for a site-specific permit. If you answered **'Yes,'** continue on to Part 2 of the Questionnaire.

Information on the ozone attainment status of the area where your facility is located can be found at: <http://www.epa.gov/airquality/greenbook/>.

## Part 2: What Types of Facilities DO NOT Qualify for this General Air Quality Permit for Stone Quarrying, Crushing, and Screening Facilities?

The following questions are meant to determine whether or not your stone quarrying, crushing, and screening facility processes materials that would disqualify it for operating under the General Air Quality Permit for True Minor Source Stone Quarrying, Crushing, and Screening Facilities. Please only answer the questions that are applicable to your particular stone quarrying, crushing, and screening facility

1. Does your facility process metallic materials, radioactive materials, materials that contain asbestos, or materials intended to be used as fuel?

Yes  No

2. Does your facility process minerals for structural clay, clay ceramics, brick, lime manufacturing, phosphate products, Portland cement, or refractory products?

Yes  No

3. Is your facility a sand and/or gravel processing plant that is classified as an industrial sand and gravel plant (SCC 3-05-027) AND that uses sand/gravel dryers?

Yes  No

If you answered **'No'** to all of these questions, your facility may qualify for coverage under the True Minor Source Stone Quarrying, Crushing, and Screening Facility General Air Quality Permit, and should continue on to Part 3 of the Questionnaire.

If you answered **'Yes'** to any of these questions, your facility likely does not qualify for coverage under the True Minor Source Stone Quarrying, Crushing, and Screening Facility General Air Quality Permit. Please contact reviewing authority to confirm that your facility will not qualify for this permit.

## Part 3: Does my Stone Quarrying, Crushing, and Screening Facility Qualify for a General Air Quality Permit?

The following questions are meant to determine whether or not your stone quarrying, crushing, and screening facility would qualify for the general permit for minor source stone quarrying, crushing, and screening facilities.

1. Will your facility's maximum raw material throughput be less than 10,500,000 tons in any continuous rolling 12 month period?

Yes  No  Not Applicable

2. If the engines used to power the crushers, screeners, and conveyors are stationary engines, will your facility only use diesel fuel/biodiesel to power these engines? "Stationary" engines include all internal-combustion engines that are used either in a fixed application, or in a portable (or transportable) application in which the engine (and any replacement engine that is intended to perform the same or similar function) will stay at a single site for at least a full year.

Yes  No  Not Applicable

3. If located in an attainment area for ozone or a marginal or moderate nonattainment area for ozone, will the facility's fuel usage for the stationary engines powering the crushers, screeners, and conveyors be less than a combined total of 310,000 gallons of diesel fuel over any consecutive 12 month period?

Yes     No     Not Applicable

4. If located in a serious/severe/extreme ozone nonattainment area, will the facility's fuel usage for the stationary engines powering the crushers, screeners, and conveyors be less than a combined total of 153,000/80,000/30,000 gallons of diesel fuel over any consecutive 12 month period, respectively?

Yes     No     Not Applicable

5. Will each of the asphalt storage tank(s) and fuel storage tank(s) at this facility have a maximum capacity less than 39,890 gallons and a true maximum vapor pressure less than 4 psi?

Yes     No     No storage tanks at the source

6. Will the facility be located not less than 150 feet from the nearest property boundary and not less than 1,000 feet from the nearest residence?

Yes     No

7. Do you intend to satisfy the ESA and NHPA requirements according to the method provided in the application documents for the General Air Quality Permit for True Minor Source Stone Quarrying, Crushing, and Screening Facilities?

Yes     No

### Conclusion

If you answered **'Yes'** or **'Not Applicable'** to each of the questions in Part 3, you may qualify for coverage under the Stone Quarrying, Crushing, and Screening Facility General Air Quality Permit. If you believe based upon your answers in this questionnaire that your new or modified rock crushing and screening facility qualifies for a General Air Quality Permit for True Minor Source Stone Quarrying, Crushing, and Screening Facilities, please contact your reviewing authority to obtain a permit application.

If you answered **'No'** to any of these questions, your facility may not qualify for coverage under the Stone Quarrying, Crushing, and Screening Facility General Air Quality Permit. Please contact your reviewing authority to confirm that your facility will not qualify for a permit.