



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

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

### Questionnaire for Requesting Coverage under the General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants in Indian Country

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Version 1.0

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

This questionnaire is intended to help you, the facility owner or operator, determine whether or not you are eligible for the General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants in Indian Country. You are not required to complete it and this questionnaire is not necessary to apply for the General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants. This questionnaire does not cover all of the General Air Quality Permit requirements and does not guarantee approval of a minor source preconstruction permit under this program. This General Air Quality Permit is available to true minor and synthetic minor sources of regulated New Source Review (NSR) pollutants.

#### Description of Concrete Batch Plants

A Concrete Batch Plant is an operation that combines various ingredients to form concrete. These inputs may include sand, water, aggregate (rocks, gravel, etc.), fly ash, potash, cement, and cement additives. A concrete plant can utilize a variety of equipment, including but not limited to: mixers, cement batchers, aggregate batchers, conveyors, radial stackers, aggregate bins, cement bins, heaters, chillers, cement silos, batch plant controls, and dust collectors. This Concrete Batch Plants Questionnaire is for both stationary and portable concrete batch plants. The General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants covers both ready mix plants and central mix plants.

#### About this Questionnaire

The questions focus on general information pertaining to your existing or future concrete batch plant. 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 meet all of the following criteria:

- You plan to construct a new true or synthetic minor source concrete batch plant OR plan to modify the operations at an existing minor source concrete batch plant;
- You are not planning to construct or modify a major source concrete batch plant;
- Your new or modified minor source concrete plant is located within Indian country;
- You 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 the General Permit for a concrete batch facility; and
- You intend to satisfy the processes that the U.S. Environmental Protection Agency (EPA) has made available in the application documents for this General Permit to address threatened and endangered species and historic properties under the Endangered Species Act and the National Historic Preservation Act, respectively.

## More Information

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

Information on the air quality 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.

Information on any available voluntary consensus standards that can be used as alternatives to the emissions measurement standards in the General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants can be found in: “Voluntary Consensus Standard Results for General Permits and Permits by Rule for the Indian Country Minor New Source Review Program; 40 CFR Part 49, Subparts 156(c) and 162,” memorandum from Robin Segall, Acting Group Leader, Measurement Technology Group, to Laura McKelvey, Community and Tribal Programs Group, February 7, 2014, <http://www.epa.gov/air/tribal/tribalnsr.html>.

Sources eligible for the General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants may also be subject to federal standards under 40 CFR 60 Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Facilities. The conditions applicable to sources seeking coverage under this General Permit are intended to be generally consistent with the requirements in the regulation; however, compliance with the applicable requirements is required independent of the conditions in the General Permit, and not all requirements applicable under Subpart OOO are necessarily included in the General Permit. The Background Document for the General Permit identifies the specific requirements in the Subpart that are intended to be included in the General Permit.

Please contact your reviewing authority if you have questions or need assistance. A list of reviewing authorities, their areas of coverage, and contact information can be found in Attachment E to the General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants or by visiting: <http://www.epa.gov/air/tribal/tribalnsr.html>

# Questionnaire for Concrete Batch Plants

## Part 1: Does my Concrete Batch Plant Need or Qualify for a Minor Source Permit?

The following questions are meant to determine whether or not your concrete batch plant needs or qualifies for this General Permit.

1. Will the PTE of your facility be less than 250 tons per year (tpy) for particulate matter (PM, PM<sub>10</sub>, or PM<sub>2.5</sub>), volatile organic compounds (VOC), nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), and sulfur dioxide (SO<sub>2</sub>), each individually? The emissions from your facility may be calculated using the PTE calculator provided at <http://www.epa.gov/air/tribal/tribalnsr.html>. Be sure to include all existing, new, and modified emission units at your facility.

Yes     No

If you answered **'No,'** your source does not qualify for the General Permit, please contact your reviewing authority to apply for a site-specific permit. If you answered **'Yes,'** continue on to the next question. A synthetic minor source that agrees to the enforceable conditions in the General Permit and is below the threshold above should answer **'Yes.'**

2. Will the PTE of your new facility or the increase in potential emissions from your modified existing facility be equal to or above the applicable minor NSR thresholds listed below for ANY of the pollutants listed in the table below? The potential emissions from your facility may be calculated using the PTE calculator provided at <http://www.epa.gov/air/tribal/tribalnsr.html>. Be sure to include all new and modified emission units at your facility.

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
VOC	5 tpy	2 tpy

Yes     No

If you answered **'No,'** your source is exempt from the minor NSR program. Please contact your 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 an air quality nonattainment area for any pollutant, will the PTE of your facility for the particular nonattainment pollutant be less than the NSR major source thresholds specified in the table below (based on nonattainment classification)? The emissions from your facility may be calculated using the PTE calculator provided at <http://www.epa.gov/air/tribal/tribalnsr.html>. Be sure to include all existing, new, and modified emission units at your facility.

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 General Permit, please contact your reviewing authority to apply for a site-specific permit. If you answered **'Yes,'** continue on to Part 2 of this Questionnaire. A synthetic minor source that agrees to the enforceable conditions in the General Permit and is below the thresholds above should answer **'Yes.'**

**Part 2: What Types of Facilities DO NOT Qualify for Coverage under the General Air Quality Permit for New or Modified Minor Concrete Batch Plants?**

The following questions are meant to determine whether or not your concrete batch plant would be disqualified from coverage under the General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants. Please only answer the questions that are applicable to your particular concrete batch plant.

1. Does or will your facility process metallic materials, radioactive materials, or materials that contain asbestos?

Yes     No

2. Is your facility located (or will it be located) in a serious, severe, or extreme ozone nonattainment area and does or will it employ a non-emergency engine?

Yes     No

If you answered **'No'** to all of these questions, your facility may qualify for coverage under the General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants, 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 General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants. Please contact your reviewing authority to confirm that your facility will not qualify for this permit.

**Part 3: Does my Concrete Batch Plant Qualify for Coverage under the General Air Quality Permit for New or Modified Minor Concrete Batch Plants?**

The following questions are meant to determine whether or not your concrete batch plant would qualify for coverage under the General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants.

1. After completion, will your new or modified source have emergency generator engines with a combined maximum engine power less than 1,000 horsepower (hp), if in an attainment area; a combined maximum engine power less 500 hp, if in an ozone nonattainment area classified as serious or lower; or no emergency generator engines if in a severe or extreme ozone nonattainment area? (All emergency engines must be emergency generator engines used solely for supplying electrical power during power outages.)

Yes     No

2. After completion, will your new or modified source have boilers and heaters that have a combined maximum heat input capacity of less than: 10 million British thermal units per hour (MMBtu/hr) in attainment, unclassifiable or attainment/unclassifiable areas; 5 MMBtu/hr in marginal, moderate, or serious ozone nonattainment areas; or 2 MMBtu/hr in severe or extreme ozone nonattainment areas?

Yes     No

3. After the proposed construction or modification project, will your concrete batch plant produce 2,000,000 cubic yards or less of concrete per year based on a 12-month rolling total?

Yes  No

4. Will each silo, hopper, mixer, drop point (using a suction shroud), and storage bin be controlled with a fabric filter or baghouse?

Yes  No

5. Will the fugitive emissions from storage piles and roadways be controlled with wetting, dust suppressants, sweeping or other appropriate means?

Yes  No

6. Will all non-emergency stationary engines use diesel or biodiesel and have a combined hp rating less than 750 hp? Do not include nonroad mobile engines.

Yes  No  N/A - Do not use non-emergency stationary engines

7. If using metal degreasers, does your facility use cold cleaning as your method of degreasing?

Yes  No  N/A - Do not use metal degreasers

8. Will total cold cleaning solvent makeup be 500 gallons or less per year based on a 12-month rolling total?

Yes  No

9. Do you intend to satisfy the procedures for threatened or endangered species and historic properties according to the processes provided by the EPA for this General Permit?

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 General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants. If you believe based upon your answers in this questionnaire that your new or modified concrete batch plant qualifies for coverage under the General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants, please submit a Request for Coverage Form to your reviewing authority.

If you answered **'No'** to any of these questions, your facility may not qualify for coverage under the General Air Quality Permit for New or Modified Minor Source Concrete Batch Plants. Please contact your reviewing authority to confirm that your facility will not qualify for this General Permit.