



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

<https://www.epa.gov/tribal-air/tribal-minor-new-source-review>

### **Questionnaire for Requesting Coverage under the General Air Quality Permit for New or Modified Minor Source Hot Mix Asphalt Plants in Indian Country**

Last Modified: February 13, 2017

Version 1.0

#### **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 the General Air Quality Permit for New or Modified Minor Source Hot Mix Asphalt Plants in Indian Country. You are not required to complete this questionnaire and it is not necessary to apply for the General Air Quality Permit for New or Modified Minor Source Hot Mix Asphalt 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 Hot Mix Asphalt Plants**

A hot mix asphalt plant is a facility that manufactures hot mix asphalt by heating and drying aggregate and mixing with asphalt cements, and is comprised only of any combination of the following activities: dryers, liquid asphalt storage tanks, fuel oil storage tanks, auxiliary heaters (including hot oil heaters), material storage handling and transfer systems, generators, storage bins/silos, storage piles, and haul roads.

#### **About this Questionnaire**

The questions focus on general information pertaining to your existing or future hot mix asphalt plant. The questionnaire is not meant to be exhaustive and only requires knowledge of basic facility information, including the maximum capacity of the units, production rate, 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 batch or drum hot mix asphalt plant OR plan to modify an existing minor source batch or drum hot mix asphalt plant;
- You are not planning to construct or modify a major source batch or drum hot mix asphalt plant;
- Your new or modified minor source hot mix asphalt plant is located within Indian country;
- Your hot mix asphalt operation will be co-located with your stone quarrying, crushing and screening operation (this is not a requirement to qualify for this General Permit);
- 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 hot mix asphalt facility; and
- You intend to satisfy the processes that the 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” (or “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 ozone attainment status of the area where your facility is located can be found at: <https://www.epa.gov/green-book>. 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 areas of coverage, and contact information can be found in Attachment D to the General Air Quality Permit for Minor Source Hot Mix Asphalt Plants or visit: <https://www.epa.gov/tribal-air/tribal-minor-new-source-review>.

Sources eligible for the General Permit for New or Modified Minor Source Hot Mix Asphalt Plants may also be subject to federal standards under 40 CFR 60 Subpart I – Standards for Performance for Hot Mix Asphalt Facilities; 40 CFR 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines; and 40 CFR 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The conditions applicable to sources seeking coverage under this General Permit are intended to be generally consistent with the requirements in these regulations; however, compliance with the applicable requirements is required independent of the conditions in the General Permit, and not all requirements applicable under Subparts I, IIII, and ZZZZ are necessarily included in the General Permit. The Background Document for the General Permit identifies the specific requirements in these Subparts that are intended to be included in the General Permit.

### **Additional Information about Co-Located Stone Quarrying, Crushing and Screening Operations:**

If you otherwise qualify for this General Permit and intend to be co-located with your stone quarrying, crushing and screening facilities operation you may still qualify for the General Permit if:

- The combined potential emissions of the two operations are below all of the applicable Major NSR thresholds and you obtain the General Permit or a site-specific permit for your stone quarrying, crushing and screening facilities operation; or
- The combined potential emissions of the two operations are below all the applicable major NSR thresholds, but you elect to take more restrictive throughput and fuel use limits, those in Conditions 17. and 20.b. of the General Permit, so that combined potential emissions of the two operations are below 100 tons per year (tpy) for regulated NSR pollutants, and you obtain the Stone Quarrying, Crushing and Screening Facilities General Permit with the elective limits for co-located operations. This option is not available in serious, severe or extreme ozone nonattainment areas or serious carbon monoxide (CO) nonattainment areas.

Please contact your reviewing authority for additional information.

# Questionnaire for Hot Mix Asphalt Plants

## Part 1: Does my Hot Mix Asphalt Plant Need or Qualify for a Minor Source Permit?

The following questions are meant to determine whether or not your asphalt plant needs or qualifies for the general permit.

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

☐ Yes ☐ No

If you answered **'No,'** you do 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 pollutant? The potential emissions from your facility may be calculated using the PTE calculator provided at: <https://www.epa.gov/tribal-air/5-source-categories-hot-mix-asphalt-plants-final-rule>. Be sure to include all new or 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 reviewing authority to confirm that your facility will not need a permit. If you answered **'Yes,'** continue on to the next question.

3. Is your facility located in a severe or extreme ozone nonattainment area?

☐ Yes ☐ No

If you answered **'Yes,'** your source does not qualify for this General Permit. Please contact reviewing authority

to apply for a site-specific permit. If you answered **'No,'** continue on to the next question.

4. If located in a 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)? 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 the next question. A synthetic minor source that agrees to the enforceable conditions in the General Permit and is below the thresholds above should answer **'Yes.'**

Information on the ozone attainment status of the area where your facility is located can be found at: <https://www.epa.gov/green-book>.

5. Did you include potential emissions from your co-located stone quarrying, crushing, and screening operation in your PTE calculations for this section?

☐ Yes    ☐ No    ☐ Not Applicable – not co-locating with a stone quarrying, crushing and screening facilities operation

If you answered **'No,'** your source does not qualify for coverage under the General Permit for hot mix asphalt plants. Please contact your reviewing authority to apply for a site-specific permit. If you answered **'Yes'** or **'Not Applicable'** continue on to Part 2 of the Questionnaire. If you qualify for this General Permit and are co-located with a stone quarrying, crushing and screening facilities operation you must also receive either the General Permit or a site-specific permit for the stone quarrying, crushing and screening facilities equipment prior to construction or modification.

## Part 2: What types of facilities DO NOT Qualify for this General Air Quality Permit for Hot Mix Asphalt Plants?

The following question is meant to determine whether or not your asphalt plant would disqualify it for operating under the General Air Quality Permit for Minor Source Hot Mix Asphalt Plants.

1. Does or will your facility perform contaminated soil remediation?

☐ Yes    ☐ No    ☐ Not Applicable

If you answered '**No**' to this question, your facility may qualify for coverage under the Hot Mix Asphalt Plants General Air Quality Permit, and should continue on to Part 3 of the Questionnaire.

If you answered '**Yes**' to this question, your facility likely does not qualify for coverage under the Hot Mix Asphalt Plants General Air Quality Permit. Please contact your reviewing authority to confirm that your facility will not qualify for this permit.

## Part 3: Does My Hot Mix Asphalt Plant Qualify for a General Air Quality Permit?

The following questions are meant to determine whether or not your asphalt plant would qualify for the General Permit for hot mix asphalt plants.

### After the proposed construction/modification project:

1. Will the asphalt dryer be controlled by a baghouse (fabric filters) or a venturi scrubber?

☐ Yes    ☐ No

2. Will this facility use only natural gas, propane, distillate fuel or biodiesel in the dryer/mixer?

☐ Yes    ☐ No

3. Will your new or modified drum mix asphalt plant located in an ozone attainment, unclassifiable or attainment/unclassifiable area or marginal, moderate or serious ozone nonattainment area produce less than 83,000 tons per month, on average, of hot mix asphalt? Or, if located in a serious CO nonattainment area, less than 33,000 tons per month, on average?

☐ Yes    ☐ No    ☐ Not Applicable - (i.e., the source is not a drum mix plant)

4. Will your new or modified batch mix asphalt plant located in an ozone attainment, unclassifiable or attainment/unclassifiable area or marginal, moderate or serious ozone nonattainment area produce less than 27,000 tons per month, on average, of hot mix asphalt? Or, if located in a serious CO nonattainment area, less than 11,000 tons per month, on average?

☐ Yes    ☐ No    ☐ Not Applicable (i.e., the source is not a batch mix plant)

Will this facility use only diesel or biodiesel in its stationary engines/generators? "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 12 months or a shorter period for seasonal sources.

☐ Yes    ☐ No    ☐ Not Applicable – no engines/generators at the source

5. Will the total liquid fuel usage for the engines/generators at your facility located in an ozone attainment, unclassifiable or attainment/unclassifiable area or marginal or moderate ozone nonattainment area be 12,500 gallons per month or less? Or if in a serious ozone nonattainment area, less than 5,200 gallons per month?

☐ Yes    ☐ No    ☐ Not Applicable

6. Will this facility use only the following fuel(s) in the auxiliary heaters: natural gas, propane, distillate fuel or biodiesel?

☐ Yes    ☐ No    ☐ Not Applicable – no auxiliary heaters at the source

7. Is the total maximum heat input capacity of the auxiliary heaters (including hot oil heaters) equal to or less than 10 MMBtu/hr?

☐ Yes    ☐ No    ☐ Not Applicable – no auxiliary heaters at the source

8. 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    ☐ Not Applicable – no storage tanks at the source

9. Do you intend to satisfy the procedures for threatened and 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 question in Part 3, your facility may qualify for coverage under the Hot Mix Asphalt Plants General Air Quality Permit. If you believe based upon your answers in this questionnaire that your new or modified hot mix asphalt plant qualifies for a General Air Quality Permit for New or Modified Minor Source Hot Mix Asphalt Plants, please submit a Request for Coverage to your reviewing authority.

If you answered '**No**' to any of these questions, your facility may not qualify for coverage under the Hot Mix Asphalt Plants Air Quality Permit. Please contact your reviewing authority to confirm that your facility will not qualify for this General Permit.