



United States Environmental Protection Agency General Permit for New or Modified Minor Source 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 True Minor Source Spark Ignition Engines in Indian Country

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Version 1.0

Do the General Permits apply to my facility?

This questionnaire is intended to help you, the facility owner or operator, determine whether you are eligible for a General Air Quality Permit for New or Modified True Minor Source Spark Ignition Engines. The U.S. Environmental Protection Agency is making two engine permits available: one for *non-emergency spark ignition* internal combustion engines and one for *non-emergency compression ignition* engines. The permits are designed to be used with one type of non-emergency engine, either spark ignition OR compression ignition. This questionnaire only applies to sources with non-emergency spark ignition engines. If you have both compression ignition AND spark ignition non-emergency engines present at your facility, then you are not eligible for this permit and should consult your reviewing authority about seeking a site-specific permit. However, the permits can accommodate *emergency* engines of *either type* that may be present at your facility.

If you have a true minor source of engines with compression ignition non-emergency engines, please see the document Questionnaire: Compression Ignition Engines. If you have a true minor source of boilers and emergency engines you should consider the General Air Quality Permit for New or Modified True Minor Source Boilers (see the Questionnaire: Boilers).

You are not required to complete this questionnaire and this questionnaire is not necessary to apply for a General Air Quality Permit for True Minor Source of Spark Ignition Engines. 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.

Description of Engines

Engines included in this source category are stationary internal combustion engines (ICE) – spark ignition and compression ignition – that convert heat energy into mechanical work and are not mobile. This source category does not include combustion turbines or nonroad engines (mobile ICE) such as forklifts, off-highway mobile cranes, bulldozers, and lawnmowers. Stationary ICE includes reciprocating ICE, rotary ICE, and other ICE, except combustion turbines as noted above. This category covers both non-emergency and emergency stationary ICE.

About this Questionnaire

The questions focus on general information pertaining to your existing or future engines. The questionnaire is not meant to be exhaustive and only requires knowledge of basic facility information, including the maximum capacity of the units and the type of units being employed.

You should continue with this Questionnaire if you:

- Plan to construct, relocate or modify a true minor source of engines 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 engine need or qualify for a minor source permit?” section below;
- Your new or modified true minor source of engines is not located in a serious carbon monoxide (CO) nonattainment area;
- Your new or modified true minor source of engines only has non-emergency engines that are spark ignition engines (emergency engines may be either compression ignition or spark ignition);

- Your new or modified true minor source of engines has a combined maximum engine power of all non-emergency spark ignition engines that is no greater than 1750 horsepower (hp);
 - Non-emergency engines less than 500 hp must meet emission requirements in 40 CFR 60 Subpart JJJ applicable to engines manufactured on or after January 1, 2011; and
 - Non-emergency engines \geq 500 hp must meet the emission requirements in 40 CFR 60 Subpart JJJ applicable to engines manufactured on or after July 1, 2010;
- Your new or modified true minor source of engines has a combined maximum engine power from all emergency engines that is no greater than 800 hp;
- Have auxiliary heaters that only burn natural gas and have a combined maximum heat input of less than 10 million British thermal units (MMBtu)/hour (hr);
- Do not know whether your facility needs a permit, or do not know the attainment status of your area and want to find out whether or not you should apply for a general air quality permit or a major source permit for an engine; and
- Intend to satisfy the requirements of the Endangered Species Act (ESA) and National Historic Preservation Act (NHPA) according to the procedures attached to the Request for Coverage under the General Air Quality Permit for New or Modified True Minor Source Compression Ignition Engines.

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 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: <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 True Minor Source Spark Ignition Engines 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,” 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>.

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 C to the General Air Quality Permit for New or Modified True Minor Source Spark Ignition Engines or by visiting: <http://www.epa.gov/air/tribal/tribalnsr.html>.

Questionnaire for Spark Ignition Engines

Part 1: Do my Engines Need a True Minor Source Permit?

The following questions are meant to determine whether or not your engine source needs a true minor source permit.

1. Is the PTE of your facility less than 250 tons per year (tpy) for particulate matter (PM, PM₁₀, or PM_{2.5}), volatile organic compound (VOC), nitrogen oxides (NO_x), CO, and sulfur dioxide (SO₂)? 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. Do not include mobile engines or engines that remain in one location for less than 12 months.

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 of the seven pollutants listed in the table below? 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 new, modified, and existing emission units when determining PTE. Do not include mobile engines or engines that remain in one location for less than 12 months.

Pollutant	Attainment Area	Nonattainment Area
CO	10 tpy	5 tpy
PM	10 tpy	5 tpy
PM ₁₀	5 tpy	1 tpy
PM _{2.5}	3 tpy	0.6 tpy
SO ₂	10 tpy	5 tpy
NO _x	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. Is your facility located in a serious CO nonattainment area?

Yes No

If you answered **'Yes,'** your source does not qualify for this general permit. Please contact your 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, 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. Do not include mobile engines or engines that remain in one location for less than 12 months.

Pollutant	Nonattainment Classification	NSR Major Source Threshold
Ozone	Marginal	100 tpy of VOC or NO _x
	Moderate	100 tpy of VOC or NO _x
	Serious	50 tpy of VOC or NO _x
	Severe	25 tpy of VOC or NO _x
	Extreme	10 tpy of VOC or NO _x
PM ₁₀	Moderate	100 tpy
	Serious	70 tpy
CO	Moderate	100 tpy
	Serious	50 tpy
SO ₂ , NO ₂ , PM _{2.5}	No nonattainment classification	100 tpy

Yes No Not Applicable

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

Part 2: What types of facilities DO NOT Qualify for Coverage under the General Air Quality Permit for New or Modified True Minor Source Spark Ignition Engines?

The following question is meant to determine whether or not your engines source would be disqualified from coverage under the General Air Quality Permit for New or Modified True Minor Source Spark Ignition Engines. Please only answer the questions that are applicable to your particular engines.

1. Do you intend to install non-emergency compression ignition engines (e.g. engines that burn diesel or biodiesel) at your new or existing source?

Yes No Not Applicable

If you answered **'No'** to this question, your facility may qualify for coverage under the General Air Quality Permit for New or Modified True Minor Source Spark Ignition Engines, 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 General Air Quality Permit for New or Modified True Minor Source Spark Ignition Engines and you should consider whether you qualify for the General Air Quality Permit for Compression Ignition Engines. If you have both non-emergency spark ignition engines and non-emergency compression ignition engines, then you must obtain a site-specific permit.

Part 3: Do My Engines Qualify for Coverage under the General Air Quality Permit for New or Modified True Minor Source Spark Ignition Engines?

The following questions are meant to determine whether or not your source of engines would qualify for coverage under the General Air Quality Permit for New or Modified True Minor Source Spark Ignition Engines.

1. After completion, will your new or modified source have a combined maximum engine power from all non-emergency SI engines that is no greater than 1750 hp and have a combined maximum engine power from all emergency engines that is no greater than 800 hp?

Yes No

2. After completion, will your newly installed non-emergency engines that are less than 500 hp be manufactured on or after January 1, 2011?

Yes No Not applicable

3. After completion, will your newly installed non-emergency engines greater than or equal to 500 hp be manufactured on or after July 1, 2010?

Yes No Not applicable

4. After completion, if applicable, will your new or modified source have auxiliary heaters that only burn natural gas and have a combined maximum heat input of less than 10 MMBtu/hr?

Yes No Not applicable

5. 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

6. Do you intend to satisfy the ESA and NHPA requirements according to the procedures attached to the Request for Coverage under the General Air Quality Permit for New or Modified True Minor Source Spark Ignition Engines?

Yes No

Conclusion

If you answered **'Yes'** or **'Not Applicable'** to each question in Part 3, your facility may qualify for coverage under the General Air Quality Permit for New or Modified True Minor Source Spark Ignition Engines. If you believe based upon your answers in this questionnaire that your new or modified engine qualifies for a General Air Quality Permit for New or Modified True Minor Source Spark Ignition Engines, 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 General Air Quality Permit for New or Modified True Minor Source Spark Ignition Engines. Please contact your reviewing authority to confirm that your facility will not qualify for this general permit.