



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 Compression Ignition Engines in Indian Country

Last Modified: July 2, 2014
Version 1.0

Do the General Permits apply to my facility?

This questionnaire is intended to help you, the facility owner or operator, determine your eligibility for a General Air Quality Permit for New or Modified Minor Source Compression Ignition Engines. The U.S. Environmental Protection Agency is making two engine permits available: one for *non-emergency compression ignition* internal combustion engines and one for *non-emergency spark 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 compression 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 spark ignition non-emergency engines, see the document Questionnaire: Spark 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 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 Minor Source of Compression 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;
- Are not located in a severe or extreme ozone nonattainment area;
- Are located in an ozone attainment, unclassifiable, attainment/unclassifiable area, marginal ozone nonattainment area, or moderate ozone nonattainment area and can meet one of two options:

- Option 1: All non-emergency engines are compression-ignition engines greater than 75 horsepower (hp); any non-emergency compression ignition engine greater than 750 hp is equipped with a generator set; the combined maximum engine power of all non-emergency compression ignition engines is no greater than 3800 hp; the combined maximum engine power of all emergency engines is no greater than 1000 hp; or
- Option 2: The combined maximum engine power of all non-emergency compression ignition engines is no greater than 1900 hp and the combined maximum engine power of all emergency engines is no greater than 2500 hp;
- Are located in a serious ozone nonattainment area and have a combined maximum engine power from all non-emergency compression ignition engines that is no greater than 1100 hp and have a combined maximum engine power from all emergency engines that is no greater than 750 hp;
- Have auxiliary heaters that only burn natural gas and have a combined maximum heat input of no greater 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 Graphic Arts and Printing Operations.

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 Compression 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 Minor Source Compression Ignition Engines or by visiting: <http://www.epa.gov/air/tribal/tribalnsr.html>.

Questionnaire for Compression Ignition Engines

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

The following questions are meant to determine whether or not your engines need 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 compounds (VOC), nitrogen oxides (NO_x), carbon monoxide (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 severe or extreme ozone 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 this General Air Quality Permit for New or Modified Minor Source Compression 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 Minor Source Compression Ignition Engines.

1. Do you intend to install non-emergency spark ignition engines (e.g. engines that burn natural gas, liquified petroleum gas, or gasoline) 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 Minor Source Compression 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 Minor Source Compression Ignition Engines and you should consider whether you qualify for the General Air Quality Permit for New or Modified Minor Source Compression Ignition Engines. If you have both non-emergency compression ignition engines and non-emergency spark ignition engines, then you must obtain a site-specific permit.

Part 3: Do My Engines Qualify for Coverage under a General Air Quality Permit for New or Modified Minor Source Compression 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 Minor Source Compression Ignition Engines.

1. After completion, will your new or modified source located in an area designated ozone attainment, unclassifiable, attainment/unclassifiable, marginal nonattainment, or moderate nonattainment be able to comply with option (a) or (b) below?
 - a. All non-emergency engines are compression ignition engines greater than 75 hp; any non-emergency compression ignition engine greater than 750 hp is equipped with a generator set; the combined maximum engine power of all non-emergency compression ignition engines is no greater than 3800 hp; the combined maximum engine power of all emergency engines is no greater than 1000 hp. (This option is intended for sources that mostly intend to install non-emergency engines with generator sets.)
 - b. The combined maximum engine power of all non-emergency compression ignition engines is no greater than 1900 hp and the combined maximum engine power of all emergency engines is no greater than 2500 hp.

Yes No Not applicable

2. After completion, will your new or modified source located in an area designated serious ozone nonattainment have a combined maximum engine power from all non-emergency compression ignition engines that is no greater than 1100 hp and have a combined maximum engine power from all emergency engines that is no greater than 750 hp?

Yes No Not applicable

3. After completion, will your newly installed non-emergency compression engines be model year 2014 or later and certified by the manufacturer to the applicable standards in 40 CFR part 1039?

Yes No

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 Compression 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 Minor Source Compression 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 Minor Source Compression 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 Minor Source Compression Ignition Engines. Please contact your reviewing authority to confirm that your facility will not qualify for this general permit.