

Model General Permit (MGP) Qualifying Criteria Document

Source Description: Portable diesel engine (compression ignition internal combustion engine) pre-2007 model year, commenced construction before 6/12/06, less than 10 liters per cylinder, > 500 HP and ≤ 600 HP

MGP Number: GP 9.11

Note: If the engine does not meet the qualifying criteria; or if the permittee does not want to restrict the facility's fuel usage but would rather establish the maximum diesel usage for the permitted engine(s) alone, permit template #52 can be selected from the Terms & Conditions Library¹.

Qualifying Criteria:

Answer the following questions by checking the appropriate box for the choice that describes the equipment for which you are applying for a permit.

- Yes No 1. Is the model year 2006 or earlier and was the engine installed before 6/12/06?
- Yes No 2. Is the engine rated greater than 500 horsepower (373 kW) and less than or equal to 600 horsepower (450 kW)?
- Yes No 3. Will the owner or operator agree to comply with the applicable requirements, for engines greater than 500 horsepower, described in 40 CFR Part 63 Subpart ZZZZ, the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE), by the compliance date of May 3, 2013?
- Yes No 4. Will the owner or operator agree to conduct an initial performance test for the engine, on or before November 3, 2013, and subsequent performance tests every 8,760 hours of operation or every 3 years, whichever comes first, in order to demonstrate compliance with the U.S. EPA limit or control requirement for carbon monoxide (CO)?

Within 180 days after the compliance date of the RICE NESHAP, the owner/operator must demonstrate compliance with the following:

carbon monoxide (CO) must not exceed 23 ppmvd at 15% O₂ or CO must be reduced by 70% or more, using an oxidation catalyst.

- Yes No 5. Will the annual usage of diesel fuel burned at the facility not exceed **327,722** gallons per rolling 12-months; or

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not exceed **500,000** gallons per rolling 12-months where monthly calculations demonstrate that the facility's total rolling, 12-month NOx emissions are less than 99 tons, based on the fuel usage in each engine and the exhaust standards to which they are permitted? ²

- Yes No 6. Will records be maintained for the total facility diesel fuel usage and for the amount of diesel fuel burned in each engine?
- Yes No 7. Will only diesel fuel with a sulfur content of no more than 15 ppm (0.0015% by weight) be used in this engine? (Fuel specifications should be obtained from the distributor).
- Yes No 8. Following the compliance date of the RICE NESHAP, May 3, 2013, will a written facility maintenance plan for this engine or the manufacturer's instructions, specification, and/or operating procedures be maintained on site?
- Yes No 9. Following the compliance date of the RICE NESHAP, will the engine be maintained according to the facility maintenance plan or per the manufacturer's instructions, specification, and/or operating procedures?
- Yes No 10. Following the compliance date of the RICE NESHAP, will the operating time in idle and startup mode be monitored for this engine and maintained under 30 minutes?
- Yes No 11. Will a log of the location of each engine, identified by serial number, size, emissions unit number, and the certification and/or performance test data be maintained on site or at a central location; and will these records be made available to EPA inspectors upon request?
- Yes No 12. Is the combined NOx emissions from all of the diesel engines located at the facility less than 50.7 pounds/hour and is the facility owner willing to keep all diesel engines located at least 100 feet from the nearest property line?; or
Is the combined NOx emissions from all of the diesel engines located at the facility less than 53.7 pounds/hour and is the facility owner willing to keep all diesel engines located at least 150 feet from the nearest property line?

Using the Qualifying Criteria calculations attached, enter the size engine in kilowatts (or the gallons of diesel burned per hour for older engines) into the attached calculations and add

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the resulting pound per hour emissions for all of the diesel engines operating at the facility.

- Yes No 13. Does the owner or operator agree that the emissions unit(s) covered by this general permit can remain in compliance with all terms and conditions of the general permit?
- Yes No 14. Is the engine part of a new major stationary source or a major modification as defined in OAC rule 3745-31-01? See these definitions at: <http://www.epa.ohio.gov/portals/27/regs/3745-31/3745-31-01f.pdf>. If you are unsure, check with the appropriate Ohio EPA District Office or local air agency.

If the answers to questions 1 through 13 is “yes” and the answer to questions 14 is “no”, the facility meets the above “Qualifying Criteria”. Otherwise, the facility is not eligible for a general permit and will, instead, need a standard, or traditional, permit. By signing below, the owner or operator’s signature shall constitute personal affirmation that the applicant meets the qualifying criteria contained above, and shall subject the signatory to liability under applicable state laws forbidding false or misleading statements.

Authorized Signature (for facility)

Date

Title

- ¹ The appropriate permit template is linked to the “Compression Ignition Permit Templates” table at the following address, under Miscellaneous Terms and organized by rule, in Part 60, Subpart IIII or Part 63, Subpart ZZZZ <http://wwwapp.epa.ohio.gov/dapc/Tree/Tree.html>
- ² Qualifying criteria number four below contains a restriction on the amount of diesel fuel that the facility can use. This qualifying criterion was written in order to restrict the emissions from all diesel fuel users at the facility so that certain federal air pollution rules would not apply (New Source Review). It was originally written with quarry operations in mind, but other facilities may also use this general permit if all qualifying criteria are met. Although permittees may not meet all of the qualifying criteria, and, therefore, would not qualify for the general permit, the same template permit (#52) in the Terms & Conditions Library (link above) or terms in this MGP can be used as a starting point for a case-by-case permit. If you desire these terms for your case-by-case permit, then discuss this desire with your local Ohio EPA permit contact.

For additional assistance in determining whether you qualify for this permit, please contact the Office of Compliance Assistance and Pollution Prevention (OCAPP) at

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(800) 329-7518. OCAPP is a free, confidential program for helping small businesses with environmental regulations. Alternatively, you may contact your District Office or Local Air Agency with questions about these Qualifying Criteria.