Model General Permit (MGP) Qualifying Criteria Document

Source Description: Portable diesel engine (compression ignition internal combustion engine) 2007 to 2011 model year, less than 10 liters per cylinder, ≥ 100 HP and < 175 HP

MGP Number: GP 9.5

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 #11 can be selected from the Terms & Conditions Library[1].

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 engine model year between 2007 and 2011?

☐Yes ☐No 2. Is the engine rated between 100 horsepower (75 kilowatts) and less than 175 horsepower (130 kilowatts)?

☐Yes ☐No 3. Is the engine certified to emission standards that meet or are less than the following Tier 3 standards, as documented in the manufacturer's certification (certification for the model year engine should be provided by the manufacturer upon purchase)?

0.30 gram of particulate matter per kilowatt-hour (0.30 gram PM/kW-hr)

4.0 grams of nitrogen oxides plus nonmethane hydrocarbons per kilowatt-hour (4.0 grams NOx + NMHC/kW-hr)

5.0 grams of carbon monoxide per kilowatt-hour (5.0 grams CO/kW-hr)

☐Yes ☐No 4. Will the annual usage of diesel fuel burned at the facility not exceed **700,000** gallons per rolling 12-months, or not exceed **500,000** gallons per rolling 12-months where any facility engine is <u>not</u> certified to limits that meet the Tier 3 (or Tier 2 if >750 HP) standards? [2]

☐Yes ☐No 5. Will records be maintained for the total facility diesel fuel usage and for the amount of diesel fuel burned in each engine?

☐Yes ☐No 6. 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 7. Will the engine be maintained and operated according to the manufacturer's specifications, instructions, and/or operating manual?

☐Yes ☐No 8. Will the manufacturer's operating manual and/or instructions be maintained on site and be readily available to the operator?

☐Yes ☐No 9. Will the manufacturer's certification of the engine to the applicable U.S. EPA standards, identified in #3 above, be maintained on site or at a central location and made available upon request?

☐Yes ☐No 10. Will a log of the location of each engine, identified by serial number, size, and emission unit number, and the certification be maintained on site or at a central location; and will these records be made available to EPA inspectors upon request?

☐Yes ☐No 11. 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 the resulting pound per hour emissions for all of the diesel engines operating at the facility.

☐Yes ☐No 12. 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 13. 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.

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If the answers to questions 1 through 12 is "yes" and the answer to questions 13 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 (#11) 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 (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.