

Model General Permit (MGP) Qualifying Criteria Document

Source Description: Oil and Gas Well-Site Production
MGP Number: GP 12

A summary of the potential emissions expected from this source is as follows:

Equipment size	Model General Permit No.	Restricted Potential to Emit Summary (TPY)				
		PE	SO ₂	NO _x	CO	VOC
See GP	GP12	20.32	6.2	37.4	91.6	81.55

Answer the following questions by checking the appropriate box.

- Yes No 1. Will the source emit less than 1 ton per year of any toxic air contaminant listed in OAC rule 3745-114-01(A), not including any emissions that are subject to MACT?
- Yes No 2. Have you determined that the air contaminant source(s) for which this general permit is being sought are **not** a new major stationary source or a major modification (see OAC rule 3745-31-01)¹? If you are unsure, check with the appropriate Ohio EPA District Office or local air agency.
- Yes No 3. Are the total emissions of Hazardous Air Pollutant (HAP) from the facility less than 10 tons per year of any single HAP and less than 25 tons per year combined HAPs?
- Yes No 4. Can the source meet the allowable emissions limits and criteria contained in this Model General Permit?
- Yes No 5. Do each of the condensate storage tanks have a capacity of less than 39,894 gallons (950 barrel)?
- Yes No 6. Is the combined capacity of all condensate storage tanks no more than 252,000 gallons (6000 barrels)?
- Yes No 7. Can it be demonstrated through stack testing data that the each natural gas-fired engine meets the short term limits identified in the permit (from Table 1 to Part 60 Subpart JJJJ) or, for smaller engines, will the engine be certified by the manufacturer to the emissions standard identified in 40 CFR Part 60 Subpart JJJJ?

¹ Normally, this would only occur if the well was co-located with another facility. For instance, if a well was located on the same property as or on property adjacent to a natural gas compressor station, then the emissions from both adjacent facilities may need to be combined for the purposes of new source review applicability.

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- Yes No 8. Is the summation of the horsepower of the facility natural gas engines together less than or equal to 1,800 horsepower?
- Yes No 9. Will any natural gas-fired engine with a horsepower rating of greater than or equal to 250 HP have a stack that is at least 20 feet above ground level?
- Yes No 10. Will any natural gas-fired engine with a horsepower rating of less than 250 HP have a stack that is at least 12 feet above ground level?
- Yes No 11. Will the facility have a minimum fence line² of at least 20 feet from the stationary natural gas and stationary diesel engines?
- Yes No 12. Will the diesel engines installed at the facility be certified to the Tier 3 standards identified in 40 CFR 89.112 or will emissions test data be submitted to document the Tier 3 emission standards can be met?
- Yes No 13. Is the summation of the horsepower of the facility stationary diesel engines together less than or equal to 250 horsepower?
- Yes No 14. Will the stationary natural gas and stationary diesel engines be installed, maintained, and operated according to the manufacturer's specifications, instructions, and/or operating manual?
- Yes No 15. Will the stationary natural gas and stationary diesel manufacturer's operating manual and/or instructions and maintenance schedule be followed, as well as, any maintenance schedule established for the appropriate size engine in the New Source Performance Standards?
- Yes No 16. Will the stationary diesel engine(s) be installed with stack(s) of at least 12 feet?
- Yes No 17. Will all heaters/boilers on site be gas-fired and meet either the < 10 mmBtu/hr exemption requirements of OAC rule 3745-31-03(A)(1) or all applicable requirements for obtaining a PBR under OAC rule 3745-31-03(A)(4)?

² Note: This does not mean the property line. Instead, it means the fenced in area of the property that is not accessible by the public.

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- Yes No 18. If the glycol dehydration unit(s) uses triethylene glycol and does not qualify for one of the exemptions identified in 40 CFR 63.764(e), will the unit be installed with a closed-vent system and control device meeting the requirements of 40 CFR 63.771(c) and (d)?

- Yes No 19. If a flare is used to meet the control requirements identified in the above criteria, will it be designed and operated in accordance with the requirements of 40 CFR 63.11(b)?

- Yes No 20. If a flare is used, will a pilot flame be maintained at all times in the flare's pilot light burner or will the flare be equipped with an auto ignition system?

- Yes No 21. If a combustor/flare is used, will it be operated at a heat input capacity less than or equal to 10 MMBtu/hr except when gas must be safely managed due to equipment malfunction or except when gas from the drilling or fracturing of an alternative well needs to be disposed of?

If the answer to all of the questions is "Yes", then the facility meets the above "Qualifying Criteria".

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 the facility)

Date

Title