

Model General Permit (MGP) Qualifying Criteria Document

Source Description: 40-50 MMBtu/hr maximum heat input natural gas and No. 2 oil fired steam boiler that is constructed, modified or reconstructed after June 4, 2010 located at a facility that is an area source of hazardous air pollutants (HAPs).

MGP Number: GP1.21

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

Boiler Max. Heat Input (MMBtu/hr)	Potential Emissions (TPY)					
	PE total ¹	PE filt ²	SO ₂	NO _x	CO	VOC
40-50	5.16	3.13	0.33	31.29	18.04	2.36

¹ PE total includes filterable and condensable particulate emissions.

² PE filt includes filterable particulate emissions only.

Qualifying Criteria:

Answer the following questions by checking the appropriate box for the choice that describes the boiler for which you are applying for a permit. Then review the qualifying criteria described after the list.

- | | | |
|------------------------------|-----------------------------|--|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 1. Does the boiler combust only virgin No. 2 fuel oil and/or natural gas? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 2. Does the boiler have a maximum design heat input capacity greater than or equal to <u>40 MMBtu/hr</u> , and less than or equal to <u>50 MMBtu/hr</u> ? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 3. Was the boiler constructed, reconstructed, or modified <u>after</u> June 4, 2010? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 4. Is the facility an area source of HAPs (i.e., facility-wide total single HAP emissions are less than 10 tpy and total HAPs emissions are less than 25 tpy)? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 5. Can the boiler meet the allowable emissions limits and criteria contained in this model General Permit? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 6. Is the boiler subject to a fuel consumption limit or other multiple source-specific requirements established in another air permit issued by the Ohio EPA? |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | 7. Does the boiler have post-combustion particulate and/or sulfur dioxide emissions controls? |

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Yes No 8. Is the boiler subject to federal emission standards contained in 40 CFR Parts 60 or 63 except for 40 CFR Part 60, Subpart Dc, 40 CFR Part 63 Subpart JJJJJJ?

Yes No 9. If the project associated with this air pollution source consists of multiple sources, does the sum of the restricted potential to emit (see the table above) for the sources equal or exceed any of the following thresholds?

Pollutant	Annual Potential for Project
Carbon Monoxide	100 tpy
Nitrogen Oxides	40 tpy
Volatile Organic Compound	40 tpy
Particulate Matter	25 tpy
PM10	15 tpy
PM2.5	10 tpy
Sulfur Dioxide	40 tpy

Yes No 10. Is the boiler portable?

Yes No 11. Does the boiler combust used crankcase oil or other used oil, landfill or refinery gas, facility by-products or any other type of waste materials?

If the answer to questions 1 through 5 is yes and 6 through 11 is no, the boiler meets the above "Qualifying Criteria." By signing below, the owner or operator affirms that the listed criteria are met, and assumes personal liability under applicable state laws forbidding false or misleading statements.

Authorized Signature (for facility as defined by OAC rule 3745-31-04(B)) Date

Title