



Submission of this form constitutes notice that the party identified in Section I of this form intends to be authorized to install/operate a source of air pollution according to the permit-by-rule provisions of OAC 3745-31-03(C)(1) and (C)(2)(i). By submitting this form, the applicant agrees to operate and maintain the facility and equipment in accordance with the applicable permit-by-rule provisions. An original signature is needed and forms transmitted by fax will not be accepted. Complete all information as indicated by the instructions.

I. Applicant Information / Mailing Address

Company (Applicant) Name: _____

Mailing (Applicant) Address: _____

City: _____ State: _____ Zip Code: _____

Contact Person: _____ Phone: _____ Fax: _____ E-mail: _____

II. Facility / Site Location Information

Facility Name: _____

Facility Address / Location _____ County: _____

City: _____ State: _____ Zip Code: _____

Facility Contact: _____ Phone: _____ Fax: _____ E-mail: _____

Ohio EPA Facility ID Number (10-digit) if known – See Instructions: _____

III. Reason for Submitting Notification:

- Initial request Equipment modification Ownership change
- Request for revocation of current permit - See Instructions and complete additional information below

Permit to install (PTI) or Permit to operate (PTO) number

Emission Unit ID (4-digit)

IV. Type of Unit:

- Boiler Water heater Air/Make-up heater Other, describe _____

Manufacturer _____ Model No. _____ Maximum Heat Input Rating _____ Btu/hr

V. Specific Unit Information – See Instructions

- Yes No Is the unit capable of burning only natural gas and no other fuels?
- Yes No Do the emissions from the unit consist entirely of the products of natural gas combustion?
- Yes No If the unit has a maximum heat input capacity greater than 50 million Btu/hr, is the unit equipped with low-NOx burners or other low-NOx emission control technology?

I certify under penalty of law that all statements or assertions of fact made in this notification are true and complete, and shall subject the signatory to liability under state laws forbidding false or misleading statements.

Applicant Name (Print): _____ Title: _____

Applicant Signature: _____ Date: _____

RETAIN A COPY OF THIS FORM FOR YOUR RECORDS

Mail the original, signed form to the appropriate Air Permit Review Agency (District Office/Local Air Agency) for your county. (Please refer to the Agency map in the attached instructions for mailing addresses).
Rev 12/10

For Ohio EPA Use Only:

FAC ID: _____
Date received _____

INSTRUCTIONS: Permit-by-Rule Supplemental Form Gas-fired Boiler and Heater

GENERAL INSTRUCTIONS:

Provide complete responses to all applicable questions. Submittal of an incomplete form will delay review and processing. If you need assistance, contact your Ohio EPA District Office or Local Air Agency for assistance. Contact the Ohio EPA, Division of Air Pollution Control at (614) 644-2270 for more information on contacting your local district office or go to <https://epa.ohio.gov/divisions-and-offices/air-pollution-control/permitting/ohio-epa-district-offices-and-local-air-pollution-control-agencies> and select the office that covers your facility's location. For more information on the permit-by-rule process, including online tracking of your notification form, go to <https://epa.ohio.gov/divisions-and-offices/air-pollution-control/permitting/permit-by-rule-pbr>.

This is a notification form for a natural gas-fired boiler, air/water heater, or heater for other heat exchange media which intends to install and/or operate according to the permit-by-rule provisions of OAC 3745-31-03(C)(1) and (C)(2)(i). This permit-by-rule provision is not meant to include a "process heater" as defined in 40 CFR 60, Subpart Dc. In this case, *process heater* means a device that is primarily used to heat a material to initiate or promote a chemical reaction in which the material participates as a reactant or catalyst. This permit-by-rule (PBR) provision is intended to cover an individual qualifying unit and does not cover other types of air pollution sources at the facility such as product reaction vessels, diesel electrical generators, or other fuel-fired equipment which may require air pollution permits. For copies of these regulations, contact your Ohio EPA District Office or Local Air Agency or go to <https://epa.ohio.gov/divisions-and-offices/air-pollution-control/regulations>.

- I. Check the appropriate box which describes the type of unit. Consult the manufacturer or installation contractor for the model number and maximum heat input rating. "Maximum Heat Input Rating" refers to the manufacturer's maximum peak rating of the heat exchanger. **Please note that answering "No" to any question disqualifies the unit from the PBR.**
- II. Check the appropriate Yes/No boxes based on actual data or design specifications. To qualify for the permit-by-rule, the unit cannot be capable of burning fuels other than natural gas, and the emissions must consist entirely of the products of natural gas combustion. For units rated above 50 million Btu/hr, consult the manufacturer or installation contractor for applicable specifications on low-NOx burners or low-NOx technology. In this case, "low-NOx technology" means a low-NOx burner or integrated combustion controls designed to emit less than 0.050 pound of nitrogen oxides (NOx) per million Btu of heat input. **Please note that answering "No" to any question disqualifies the unit from the PBR.**

Signature Requirements – This notification will be deemed incomplete if it is not signed by the appropriate signatory. Please see the following guidance at https://ohioepa.custhelp.com/app/answers/detail/a_id/1200 for more information on who is authorized to sign this form or contact your Ohio EPA District Office or Local Air Agency.

Permit-by-Rule Requirements: Boiler and Heater

Excerpts from applicable sections of OAC rules 3745-31-03(C)(1) and (C)(2)(i) are included with these Instructions for convenience. An owner or operator of a boiler or heater which intends to install and/or operate according to the permit-by-rule provisions must comply with all applicable requirements specified in paragraphs (C)(1) – General Provisions, and (C)(2)(i) - Source Specific Provisions for Boilers and heaters.

(C) Permit-by-rule.

The following air contaminant sources may elect to be permitted under this paragraph in lieu of the requirement to obtain a permit-to-install or PTIO under rule 3745-31-02 of the Administrative Code. These permits-by-rule are valid only as long as the owner or operator complies with all of the permit-by-rule general provisions, meets the qualifying criteria defined in the applicable permit-by-rule and complies with all of the requirements under the applicable permit-by-rule specific provisions. Upon request by the director, the owner or operator of a facility that has exceeded the permit-by-rule thresholds or that the director finds is causing or may cause a public nuisance in violation of rule 3745-15-07 of the Administrative Code shall submit an application for a permit-to-install or PTIO.

These permits-by-rule do not, however, exempt any air contaminant source from requirements of the Clean Air Act, including being considered for purposes of determining whether a facility constitutes a major source or is otherwise regulated under Chapter 3745-77 of the Administrative Code or any requirement to list significant or insignificant activities and emission levels in a Title V permit application. In addition, this rule does not relieve the owner or operator from the requirement of including the emissions associated with these sources into any major NSR permitting action.

(1) General provisions.

These general provisions apply to all owner or operators who are utilizing one or more of the permits-by-rule listed in paragraph (B) of this rule.

- (a) Recordkeeping requirements.

The owner or operator shall collect and maintain the records described for each air contaminant source electing to be permitted under paragraph (B) of this rule and these records shall be retained in the owner or operator's files for a period of not less than five years, unless otherwise specified in each permit-by-rule. These records shall be made available to the director or any authorized representative of the director for review during normal business hours.

(b) Notification requirements for new installations.

For the purposes of this paragraph, a new permit-by-rule air contaminant source is an air contaminant source installed after the promulgation date of any new applicable permit-by-rule or July 29, 2005, whichever comes later. The owner or operator of a new permit-by-rule air contaminant source electing to use an applicable permit-by-rule shall submit a written notification in a form and manner prescribed by the director prior to installation of the air contaminant source. This notification, or form, shall be submitted to the appropriate Ohio environmental protection agency district office or local air agency, and shall contain the following information, at a minimum:

- (i) The owner or operator's and the facility contact's name.
- (ii) The facility mailing address and telephone number.
- (iii) The location of the air contaminant source.
- (iv) A description of the air contaminant source, including any pollution control.
- (v) A statement by the owner or operator that indicates which permit-by-rule applies to the air contaminant source.

(c) Notification requirements for existing permitted sources.

The owner or operator of an air contaminant source which is operating under an existing permit-to-install, PTIO or permit-to-operate may continue to operate in compliance with that permit or may submit a written request to the Ohio environmental protection agency to revoke any such individual permit or permits and to allow the air contaminant source to operate under the permit-by-rule provisions. The director may revoke a permit-to-install, PTIO or permit-to-operate if the permittee requests revocation, agrees to meet all permit-by-rule qualifying and operating conditions, and the director determines that the revocation will not result in the violation of any applicable laws. When a permittee requests a revocation pursuant to this paragraph, the director, without prior hearing, shall make a final determination on the request and inform the permittee in writing. If the director agrees with the request to operate under the permit-by-rule, then the permit-by-rule becomes applicable to the permittee on the date the existing permit-to-install, PTIO or permit-to-operate are revoked.

(d) Notification requirements for existing permit-by-rule sources.

The owner or operator of an air contaminant source that is operating under one of the permit-by-rules that existed prior to July 29, 2005 (emergency electrical generators, injection and compression molding, crushing and screening plants, soil-vapor extraction and soil-liquid extraction) and desires to continue operating under the permit-by-rule shall submit a written notification which contains all of the elements required in paragraph (B)(1)(b) of this rule. This notification shall be submitted to the appropriate Ohio environmental protection agency district office or local air agency and shall be submitted by July 29, 2006.

(e) Records retention requirements.

Each record of any monitoring data, testing data, and support information required pursuant to a specific permit-by-rule shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the specific permit-by-rule. Such records may be maintained in computerized form.

(f) Reporting requirements.

The owner or operator shall submit required reports in the following manner:

- (i) Reports of any monitoring or recordkeeping information required by a specific permit-by-rule shall be submitted to the appropriate Ohio environmental protection agency district office or local air agency.
- (ii) Except as otherwise may be provided in a permit-by-rule specific reporting requirements paragraph of a specific permit-by-rule, a written report of any deviations (excursions) from emission limitations, operational restrictions, qualifying criteria, and control equipment operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in the permit-by-rule shall be submitted to the appropriate Ohio environmental protection agency district office or local air agency within thirty days of the date the deviation occurred. The report shall describe the specific limitation or operational restriction exceeded, the probable cause of such deviation, and any corrective actions of preventive measures that have been or will be taken.

(g) Scheduled maintenance/malfunction reporting.

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of rule 3745-15-06 of the Administrative Code. The malfunction of any air contaminant source or any associated air pollution control system shall be reported to the appropriate Ohio environmental protection agency district office or local air agency in accordance with paragraph (B) of rule 3745-15-06 of the Administrative Code. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system shall be accompanied by the shutdown of the air contaminant source that is served by such control system.

(2) Source specific provisions.

(i) Boiler and heater permit-by-rule.

(i) Qualifications.

Boilers, preheaters, air heaters, water heaters, or heaters used for other heat exchange media that meet all of the following qualifications are eligible to use this permit-by-rule:

[Comment: Air contaminant sources which meet the definition of process heater as specified in 40 CFR part 60, subpart Dc are not eligible to use this permit-by-rule.]

- (a) The maximum rated heat input capacity of the air contaminant source is greater than or equal to ten million British thermal units per hour and less than or equal to one hundred million British thermal units per hour
- (b) The air contaminant source is capable of burning only natural gas.
- (c) The emissions from the air contaminant source consist entirely of the products of fuel combustion.
- (d) Air contaminant sources with a maximum rated heat input capacity of greater than fifty million British thermal units per hour shall be equipped with low-NOx burners or other combustion control techniques designed to meet an emission limitation of not greater than 0.050 pound of nitrogen oxides per million British thermal units of heat input.

(ii) Applicable emissions limitations and/or control requirements.

(a) The applicable rules, emissions limitations, and control requirements that apply to each air contaminant source subject to this permit-by-rule are defined in the following table:

Applicable Rule(s)	Applicable Emissions Limitations/Control Requirements
Paragraph (A) of rule 3745-17-07 of the Administrative Code	The visible particulate matter emission limitations specified by this rule are less stringent than the visible particulate matter emission limitation established pursuant to paragraph (A)(3) of rule 3745-31-05 of the Administrative Code.
Paragraph (B) of rule 3745-17-10 of the Administrative Code	Particulate matter emissions shall not exceed 0.020 pound per million British thermal unit of actual heat input.
Paragraph (B) of rule 3745-23-06 of the Administrative Code	Units meeting the permit-by-rule qualification criteria satisfy the latest available control techniques and operating practices pursuant to the rule.
Paragraph (A) of rule 3745-18-06 of the Administrative Code	Air contaminant sources are exempt from this rule when natural gas is the only fuel burned.
Paragraph (A)(3) of rule 3745-31-05 of the Administrative Code	Particulate matter emissions shall not exceed 8.76 tons per year. Nitrogen oxides emissions shall not exceed 5.0 pounds per hour and 21.90 tons per year. Carbon monoxide emissions shall not exceed 8.24 pounds per hour and 36.07 tons per year. Organic compound emissions shall not exceed 1.08 pounds per hour and 4.72 tons per year. Sulfur dioxide emissions shall not exceed 0.06 pound per hour and 0.26 ton per year. Visible particulate matter emissions shall not exceed five percent opacity, as a six-minute average. The requirements of this rule also include compliance with the requirements of rules 3745-18-06, 3745-23-06, and paragraph (B) of rule 3745-17-10 of the Administrative Code.
40 CFR Part 60, Subpart Dc	This regulation does not specify emission limitations for air contaminant sources that only fire natural gas.

(iii) Monitoring and/or recordkeeping requirements

- (a) The owner or operator shall maintain, at the location of the air contaminant source, documentation showing the maximum rated heat input capacity of the air contaminant source(s) and evidence that the air contaminant source(s) can only fire natural gas.
- (b) The owner or operator shall maintain monthly records of the total amount of natural gas fired for the air contaminant source(s).

(iv) Permit-by-rule specific reporting requirements

(a) For air contaminant sources installed after July 29, 2005, the owner or operator electing to use this permit-by-rule shall report the following, in accordance with 40 CFR 60, Subpart Dc, to the appropriate Ohio EPA district office or local air agency at the appropriate times:

(i) Construction date (no later than thirty days after such date).

(ii) Actual start-up date (within fifteen days after such date).

(iii) Date of performance testing (if required, at least thirty days prior to testing).

(iv) The maximum rated heat input capacity of the air contaminant source(s) and the type of fuel(s) fired (no later than thirty days after installation date).

(v) Testing requirements

(a) Compliance with the hourly emission limitations is based on multiplying the maximum hourly gas firing capacity of the air contaminant source (in million cubic feet per hour) by the emission factor specified by the United States environmental protection agency in Section 1.4 of the "Compilation of Air Pollutant Emission Factors (AP-42)", (in pound per million cubic feet fired) for each pollutant. Compliance with the pounds per million British thermal units particulate emission limitation is based on dividing the filterable particulate emission factor specified by the United States environmental protection agency in Section 1.4 of the "Compilation of Air Pollutant Emission Factors (AP-42)" by one thousand twenty. If required by the Ohio environmental protection agency, the owner or operator shall demonstrate compliance with the pounds per million British thermal units and hourly emission limitations of this permit-by-rule in accordance with the appropriate test methods specified in 40 CFR Part 60, Appendix A.

(b) Compliance with the annual emission limitations shall be assumed as long as compliance with the pound per million British thermal units and hourly emission limitations are maintained. These annual emission limitations represent the emissions calculated at the maximum capacity of the equipment and eight thousand seven hundred sixty hours per year of operation.

(c) If required by the Ohio environmental protection agency, compliance with the visible particulate emission limitations shall be demonstrated in accordance with USEPA Method 9 of 40 CFR Part 60, Appendix A.