



**Division of Air  
Pollution Control**

**Permit by Rule Notification Form  
Gas-fired Boiler and Heater**

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(A)(4)(a), and (j). 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 Air Permit Review Agency map in the attached instructions for mailing address).

Rev 05/07

For Ohio EPA Use Only:

PBR ID / FAC ID : \_\_\_\_\_

Date received \_\_\_\_\_

# INSTRUCTIONS: Permit -by-Rule Notification 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 <http://www.epa.state.oh.us/dapc> and select the topic "District Offices and Local Air Agencies". For more information on the permit-by-rule process, including online tracking of your notification form, go to <http://www.epa.state.oh.us/dapc/pbr/permitbyrule.html>

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(A)(4)(a) and (j). 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 this regulation, contact your Ohio EPA District Office or Local Air Agency. State regulations may also be viewed and downloaded from the Ohio EPA website at <http://www.epa.state.oh.us/dapc/regs/regs.html>

- I. Enter the company name, corporate name or other name and mailing address for the legal entity which owns or operates the facility specified in the permit-by-rule notification (example: Hi-Way Gas Stations, Inc. or ABC Materials Corporation). Provide the name of the individual to be contacted concerning questions about the notification form being submitted.
- II. Enter the name and address for the facility at which the permit-by-rule units (equipment) operate (example: 45th Street Shop, Columbus Plant, Station #27). This could be the same as the applicant name if the facility has no independent name. This address information is the location of the facility and not the mailing address, unless they are the same. Provide the name of the individual at the facility to be contacted concerning questions about the operation of the facility. Please specify the 10-digit Ohio EPA facility ID number if the facility has been issued air pollution permits from the Ohio EPA. If no permits exist, leave this blank. The facility ID number is contained in permits to install, permits to operate, or fee emission reports sent to the facility by Ohio EPA. If not known, contact the District Office or Local Air Agency with jurisdiction in the area the facility is located to confirm the facility ID number.
- III. Check all applicable boxes. Check "Initial" if this is a new installation or the first request to operate under a permit-by-rule provision. Check "Equipment modification" if making substantial equipment changes (example: retrofitting low-NOx burners, increasing maximum heat input rating) since the initial notification. Check "Ownership change" if the facility has changed names, contact person, or has a new owner intending to operate under a permit-by-rule provision. If using this form to also request the revocation of existing permits, specify the permit numbers and all applicable 4-digit emission unit IDs (P001, B002, etc.) These numbers are contained in permits to install, permits to operate, or fee emission reports sent to the facility by Ohio EPA. If not known, contact the District Office or Local Air Agency with jurisdiction in the area the facility is located to confirm the permit numbers and emission unit ID numbers.
- IV. 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.**
- V. 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 [http://www.epa.state.oh.us/dapc/title\\_v/respoff.pdf](http://www.epa.state.oh.us/dapc/title_v/respoff.pdf) 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 Ohio Administrative Code 3745-31-03(A)(4) 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 (A)(4)(a) – General Provisions, and (A)(4)(j) – Boiler and heater.*

### (4) Permit-by-rule exemptions

The following air contaminant sources are exempt from the requirement to obtain a permit to install. These exemptions 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.

These exemptions do not, however, exempt any air contaminant source from requirements of the federal 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 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 the exempt sources into any major new source review permitting action.

### (a) General provisions

These general provisions apply to all owner or operators who are utilizing one or more of the permit-by-rule exemptions listed in paragraphs (A)(4)(b) through (A)(4)(l).

#### (i) Recordkeeping requirements

The owner or operator shall collect and maintain the records described for each air contaminant source exempted under paragraph (A)(4) 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 exemption. These records shall be made available to the director or any authorized representative of the director for review during normal business hours.

#### (ii) 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 exemption 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:

- (a) The owner or operator's and the facility contact's name;
- (b) The facility mailing address and telephone number;
- (c) The location of the air contaminant source(s);
- (d) A description of the air contaminant source, including any pollution control(s); and
- (e) A statement by the owner or operator that indicates which permit-by-rule applies to the air contaminant source.

#### (iii) Notification requirements for existing permitted sources

The owner or operator of an air contaminant source which is operating under an existing permit to install and/or permit to operate may continue to operate in compliance with that permit or may submit a written request to the Ohio EPA 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 and/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 and/or permit to operate are revoked.

(iv) 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 (A)(4)(a)(ii) 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.

(v) 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.

(vi) Reporting requirements

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

- (a) Reports of any monitoring and/or record keeping information required by a specific permit-by-rule shall be submitted to the appropriate Ohio environmental protection agency district office or local air agency.
- (b) 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 record keeping 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 and/or operational restriction exceeded, the probable cause of such deviation, and any corrective actions or preventive measures that have been or will be taken.

(vii) 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 emissions units or any associated air pollution control system(s) 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(s) shall be accompanied by the shutdown of the emissions unit(s) that is served by such control system(s).

Note: Paragraphs (b) through (i) are omitted since they do not apply to the boiler and heater PBR

**(j) 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 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 ten million British thermal units (Btu) per hour and less than or equal to one hundred million Btu 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

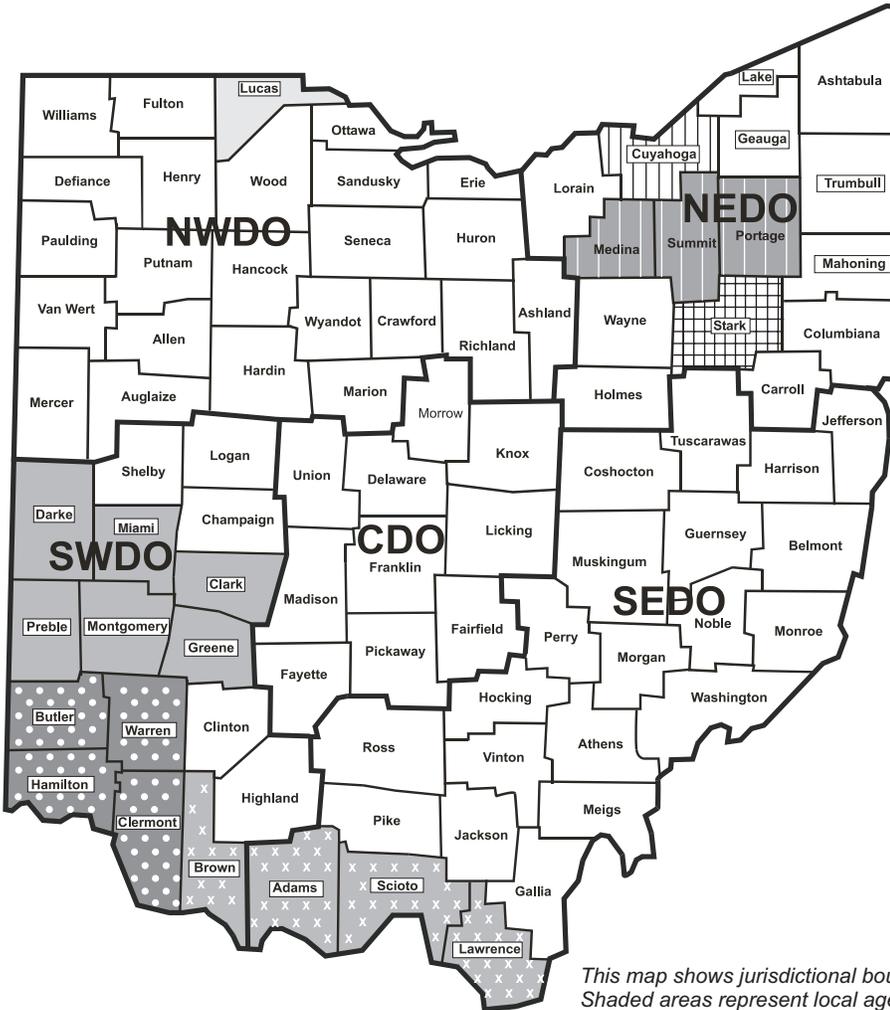
- (a) For air contaminant sources installed after July 29, 2005, the owner or operator electing to use this permit-by-rule shall report the following, in accordance with 40 CFR 60, Subpart Dc, to the appropriate Ohio EPA district office or local air agency at the appropriate times:
- (i) Construction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

# Air Permit Review Agencies

Division of Air Pollution Control  
Ohio EPA, Central Office  
(614) 644-2270  
[www.epa.state.oh.us/dapc/general/dolaa.html](http://www.epa.state.oh.us/dapc/general/dolaa.html)



*This map shows jurisdictional boundaries.  
Shaded areas represent local agencies within Ohio EPA districts.*



## District Offices

**CDO Isaac Robinson, APC Manager**  
01 Central District Office  
50 West Town Street, Suite 700  
Columbus, OH 43215  
(614) 728-3778 FAX (614) 728-3898  
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**SEDO Bruce Weinberg, APC Manager**  
06 Southeast District Office  
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**NEDO Dennis Bush, APC Manager**  
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**NWDO Mark Budge, APC Manager**  
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**SWDO Tom Schneider, APC Manager**  
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 **Lynn Malcolm, Administrator**  
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 **Richard L. Nemeth, Commissioner**  
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