



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)(b). 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. Permit-by-Rule Qualifying Option: (Check one)

Option 1: The facility uses no more than the following amounts of materials in any rolling, 12-month period:

1000 pounds of volatile organic compounds (VOC) in external mold release agents and flattening spray AND
6 million pounds of resins (If using only thermoplastic resins)

OR

1000 pounds of volatile organic compounds (VOC) in external mold release agents and flattening spray AND
500,000 pounds of resins (If using only thermoset resins)

Option 2: The emissions of volatile organic compounds (VOC), including VOC from external mold release and flattening spray, from all injection and compression molding machines at the facility are less than 3 tons per rolling 12-month period.

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 for your county. (Please refer to the Air Permit Review Agency map in the attached instructions for mailing address).
Rev 12/10

For Ohio EPA Use Only:

FACILITY ID: _____
Date received _____

INSTRUCTIONS: Permit-by-Rule Supplemental Form Resin Injection/Compression Molding

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 equipment used for injection and compression molding of resins which is intended to be installed and/or operated according to the permit-by-rule provisions of OAC 3745-31-03(C)(1) and (C)(2)(b). This permit-by-rule provision is intended to cover all compression and injection molding machines at a facility but does not cover other types of air pollution sources at the facility such as boilers, paint booths, etc. which may require air pollution permits. Equipment used for injection molding of resins where no more than one million pounds of resins (thermoplastic or thermosetting) per rolling 12-month period are used in injection molding machines at the facility is exempt from permit-to-install requirements by OAC 3745-31-03(B)(1)(k). Compression molding presses used for the curing of plastic products that qualify for the de minimis exemption under OAC 3745-15-05 are exempt from permit-to-install requirements by OAC 3745-31-03(B)(1)(m). 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 to indicate which qualifying option you are requesting based on resin type and actual/projected production data. Under Option 1, resin usage amounts should reflect the total weight of all thermoplastic or thermoset resins combined. The reference to "1000 pounds of volatile organic compounds (VOC) in external mold release agents..." refers to the total weight of VOC contained in all mold release agents and flattening spray used at the facility. For example, 100 pounds of a mold release agent which contains 20% VOC by weight contributes 20 pounds of VOC towards the 1000 pounds of VOC qualifying criterion. Consult the product Material Safety Data Sheet (MSDS) or contact the supplier for material VOC content. If your facility uses both thermoset and thermoplastic resins, use Option 2.

Under Option 2, the facility must calculate total VOC emissions including VOC from all injection/compression molding machines, mold release agents, and flattening spray used at the facility using emission factors and/or methodology approved by the Ohio EPA. Contact your District Office or Local Air Agency for further information about emission calculations. These calculations must be kept at your facility and be made available to the Ohio EPA upon request.

If your operations are not eligible for the PBR or other exemptions, please complete a permit-to-install application (forms are available at <https://epa.ohio.gov/divisions-and-offices/air-pollution-control/permitting/air-permits> under "Download Permit Applications"), or continue to operate in accordance with your existing permits if the operation has been previously permitted.

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: Resin Injection/Compression Molding

Excerpts from applicable sections of OAC rules 3745-31-03(C)(1) and (C)(2)(b) are included with these Instructions for convenience. An owner or operator who wishes to apply for PBR concerning resin injection/compression molding must comply with all applicable requirements specified in paragraphs (C)(1) – General Provisions, and (C)(2)(b) - Source Specific Provisions for Equipment used for injection and compression molding of resins.

(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.

(c) Equipment used for injection and compression molding of resins where the following apply:

- (i) The facility does not qualify for the exemption under paragraph (B)(1)(l) or (B)(1)(n) of this rule.
- (ii) The facility uses no more than one thousand pounds of VOC in external mold release agents and flattening spray per rolling twelve-month period and either of the following:
 - (a) The facility uses no thermoset resins and no more than six million pounds (three thousand tons) of thermoplastic resins (e.g., polyethylene, polypropylene, polycarbonate, and polyvinyl chloride, etc.) per rolling twelve-month period in injection machines at the facility (this type of molding operation involves materials that soften and melt upon heating or pressurization heating with no chemical change and no permanent change in physical properties. It does not involve curing, thermosetting or cross-linking.).
 - (b) The facility uses no thermoplastic resins and no more than five hundred thousand pounds (two hundred fifty tons) of thermoset resins (e.g., unsaturated polyesters, polyurethanes, epoxy resins, etc.) per rolling twelve-month period in injection and compression molding machines at the facility (these types of molding operations use a thermoset resin and involve a chemical reaction, usually involving heat, that converts the material to a solid, insoluble state using a hardening or curing operation.).
- (iii) No more than three tons of VOCs per rolling twelve-month period are emitted from injection and compression molding machines at the facility, including VOCs emissions calculated using emission factors approved by the Ohio environmental protection agency.
- (iv) The facility maintains monthly records that contain the rolling twelve-month usage of thermoplastic resins, thermosetting resins and VOCs in external mold release agents and flattening spray used in all injection and compression molding machines at the facility, and the Ohio environmental protection agency approved emission factors used to calculate the emissions.