



Maryland

Department of
the Environment

PART 70 PERMIT APPLICATION

- I. INTRODUCTION
- II. INSTRUCTIONS
- III. CHECKOFF LIST OF EMISSIONS UNITS AND ACTIVITIES
EXEMPT FROM THE PART 70 PERMIT APPLICATION
- IV. APPLICATION FORMS
- V. APPLICATION FORMS FOR STATE-ONLY
REQUIREMENTS
- VI. APPLICATION COMPLETENESS CHECKLIST

PART 70 OPERATING PERMIT INITIAL APPLICATION

TABLE OF CONTENTS

- I. Introduction**
 - A. Part 70 Permit**
 - B. Part 70 Facilities**
 - C. Emissions Units and Activities Exempt from the Permit Application**
 - D. Emissions Units Subject to CAM**
 - E. Facilities Subject to State Permits to Operate**

- II. Instructions**
 - A. Overview**
 - B. Federally Enforceable Requirements**
 - Cover Page**
 - Section 1 Certification Statements**
 - Section 2 Facility Description Summary**
 - Section 3A- Emissions Unit Descriptions**
 - Section 3B- Citation and Description of Applicable Federally Enforceable Requirements**
 - Section 3C- Obsolete, Extraneous, or Insignificant Permit Conditions**
 - Section 3D- Alternate Operating Scenarios**
 - Section 3E- Citation to and Description of Applicable Federally Enforceable Requirements for an Alternate Operating Scenario**
 - Section 4 Control Equipment**
 - Section 5 Summary Sheet of Potential Emissions**
 - Section 6 Explanation of Proposed Exemptions from Otherwise Applicable Federally Enforceable Requirements**
 - Section 7 Compliance Schedule for Noncomplying Emissions Units**
 - C. CAM Plans**
 - D. State-Only Enforceable Requirements**
 - Cover Page**
 - Requirements** **-Only Enforceable**

- III. Checkoff List of Emissions Units and Activities Exempt from the Part 70 Permit Application**

- IV. Application Forms for Part 70 Permit**

- V. Application Forms for State-Only Requirements**

- VI. Application Completeness Checklist**

I. Introduction

A. Part 70 Permit

A Part 70 Permit is required by Title V of the 1990 Clean Air Act Amendments. Part 70 is a federally enforceable permit program administered by the Maryland Department of the Environment (MDE) for certain stationary sources

Facilities are encouraged to submit applications before the required date, as described in COMAR 26.11.03.02B, to allow ample time for MDE to act on all applications.

A facility's Part 70 permit application must include specific emissions information, a description of a facility's processes and products, a description of all applicable regulations and requirements, a compliance plan for all emissions units which are out of compliance with any applicable regulation or requirement, and a compliance certification. All testing, monitoring, reporting, and record keeping requirements must also be identified in the application. For standards that have no specific periodic testing and monitoring requirements or guidance, the facility may submit a proposal for consideration by MDE.

In addition, the permit applicant is required to submit information pertaining to requirements that are enforceable only by MDE. This information on State-only enforceable requirements is separate from the federally enforceable Part 70 permit application information. Examples of such State-only enforceable requirements include information necessary to determine compliance with State regulations on air toxics, nuisances, odors, and continuous emission monitoring telemetry.

MDE will make a completeness determination within 60 days after receiving a Part 70 permit application using the completeness checklist included in this application package.

If a timely application is found to be complete, the facility receives an "application shield" as defined in COMAR 26.11.03.01D. If additional information is requested in order to process the application, MDE will establish reasonable deadlines for the facility to submit the required information. The facility will retain the "application shield" provided that it complies with these deadlines.

B. Facilities Subject to the Part 70 Permit Requirements

The following facilities are required, by federal regulation, to obtain a Part 70 permit:

- (1) A major source (as defined in COMAR 26.11.02.01C);
- (2) A facility subject to a standard, limitation, or other requirement under Section 111 (New Source Performance Standards (NSPS) Requirements) of the Clean Air Act;
- (3) A facility, including an area source, subject to a standard or other requirement under Section 112 (Hazardous Air Pollutants (HAPS) Requirements) of the Clean Air Act, except that a source is not required to obtain a Part 70 permit solely because it is subject to regulations or requirements under Section 112(r) (Accidental Release Program Requirements) of the Clean Air Act;
- (4) An affected source as defined in Title IV (Acid Rain Program Requirements); and

- (5) A facility in a source category designated by the EPA pursuant to 40 CFR Section 70.3. (Part 70 Permits Applicability Requirements).

Please note that non-major facilities subject to either Section 111 or 112 of the Clean Air Act are deferred from applying for a Part 70 Permit at this time. Whenever the EPA takes action to end the deferral, affected facilities will be required to submit an application within twelve months after the deferral expiration.

In order for a facility not to be considered a major source, it may choose to limit its potential-to-emit to below the thresholds that trigger the requirement to obtain a Part 70 permit. This action would classify the facility as a "synthetic minor". A source may become a synthetic minor source by accepting a limitation in a permit to construct or State permit to operate that restricts potential emissions to below major source thresholds. The mechanism to obtain a synthetic minor status is subject to change. The EPA is considering adopting regulations that may affect how a facility can obtain a synthetic minor status. An applicant interested in becoming a synthetic minor source should contact the Department to learn about the current rules.

C. Emissions Units and Activities Exempted from the Application

COMAR 26.11.03.02G requires a facility to submit a list of emissions units and activities located at the facility that are exempt from the Part 70 permit application due to size, production rate, and/or emission rate. A checkoff list of such exempted emissions units and activities at the facility shall be submitted with the Part 70 application. This list requires the applicant, for certain categories of activities (e.g., unheated storage of VOC with an initial boiling point of 300°F (149°C) or greater), to indicate the number of such units located at the facility. The Department may request additional information regarding such activities. The List of Exempted Units will be attached to the application when the docket is prepared for the public participation process. The general public and interested groups have the opportunity to review the list and request additional information. The List of Exempted Units will be included in the Part 70 permit, along with any applicable Clean Air Act requirements.

D. Emissions Units Subject to CAM

“Compliance Assurance Monitoring” or CAM (40CFR part 64) is intended to provide a reasonable assurance of compliance with applicable requirements under the Clean Air Act (CAA) for large units that rely on pollution control device equipment to achieve compliance. For facilities subject to CAM requirements, the applicant must submit a CAM plan as an attachment to the Part 70 application.

For an emissions unit to be subject to 40 CFR Part 64, the unit must: be located at a major source for which a Part 70 or 71 permit is required; be subject to an emission limitation or standard; use a control device to achieve compliance; have potential precontrol emissions of at least 100% of the major source amount, and must not otherwise be exempt from CAM. If a unit does not meet all of these requirements, the unit is not subject to CAM.

For additional guidance on the requirements of CAM and what is required as part of the CAM plan, the EPA has prepared a technical support document. It can be accessed at the following website: www.epa.gov/ttn/emc/cam.html.

E. Facilities Subject to State Permits to Operate

For a facility for which a State permit to operate is required, as provided in COMAR 26.11.02.13, a Part 70 permit for that facility also constitutes a State permit to operate for that source. A facility's State permit to operate is superseded by the issuance of a Part 70 permit covering that facility.

The applicant of a facility for which a Part 70 permit is required shall submit additional information based upon applicable requirements of the State air pollution control law in addition to the federally enforceable requirements in the Part 70 application form. Attached to the end of the Part 70 application are the forms to complete for state-only enforceable requirements.

II. Instructions: Part 70 Operating Permit Application Form

A. Overview

These instructions are meant to assist facilities in completing the Part 70 Permit Applications.

Note on General Organization of the Application Form

The applicant may be required to replicate certain portions of this Part 70 form (e.g. Sections 3A, 3B, 4, etc.) in order, for example to describe each emissions unit or applicable requirement at the facility. Consequently, certain large or complex facilities may have an application with many pages. A numbering scheme for the completed application, especially multiple copies of sections of this form (e.g., 3A-1, 3A-2, etc.), is therefore requested. Pagination, even for smaller sources, will not only facilitate review and discussion of the application, but may prevent the inadvertent omission or loss of pages that could jeopardize a timely completeness determination.

Number of Copies of the Application to Submit

Submit three copies of the application along with each attachment. One copy remains with the public docket at the Department's offices in Baltimore. A second copy is placed in a docket that is sent to the local public library near the facility during the public participation phase of the issuance process. A third copy is sent to the EPA upon request.

If the application contains confidential information, the applicant shall submit one application with the confidential information clearly marked. In addition, submit two copies of the application with the confidential information deleted. On the front of the application forms mark the copies as confidential or non-confidential.

B. Federally-Enforceable Requirements

Cover Page

1. Include the name and address of the owner or operator, including a telephone number and fax number.
2. Include the name and address of the facility, including the plant manager's name, telephone number, fax number, and an e-mail address.
3. Include a 24-hour emergency telephone number for air pollution matters.
4. If there is more than one owner, operator, facility manager, or contact, attach their name(s) and address(es) along with their telephone number(s) fax number(s), and e-mail address(es).

Section 1. Certification Statements

Please read this page carefully. A responsible official must sign to the truth and

accuracy of the four statements. The application will be considered incomplete without the signature of a responsible official. A responsible official is defined in COMAR 26.11.02.01B(47) and, in general, is:

1. For a corporation, a partnership, or a sole proprietorship, a president, secretary, treasurer, or vice-president in charge of a principal business function, or another person who performs similar policy or decision-making functions for the corporation, partnership, or sole proprietorship or a duly authorized representative of that person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit; or
2. For a municipal, State, federal, or other public agency, either a principal executive officer or ranking elected official.

Section 2. Facility Description Summary

1. Describe the major activities at the facility, including the applicable SIC code(s) and end product(s).
2. Indicate whether the facility is a major source based on actual emissions of air pollutants, or major based on potential emissions, or whether the source is a solid waste incineration unit required to obtain a part 70 permit under § 129(e) of the CAAA. (For example, a hospital, medical, infectious waste incinerator, HMIWI, is required to obtain a Part 70 permit.)
3. Flow diagrams indicating all emissions units, emission points, and control device(s) must be submitted. An emissions unit is an incinerator, a piece of fuel-burning equipment, or a process line. An emission point is an identifiable point or source within an emissions unit where a criteria pollutant or a hazardous air pollutant is discharged either from a stack or as fugitive emissions. The facility must assign a specific number to each emissions unit and each emissions point. These assigned numbers must be indicated on the flow diagrams.

A plot plan of the entire facility must be submitted. The plot plan should show the entire property, the layout of the buildings on the property, and the location of the emissions units. This drawing does not have to be to scale.

The applicant shall submit a copy of the most recent annual emissions certification report that was submitted to the Department. If the applicant has never filed an annual emissions certification report, the applicant should contact the Department to request a blank certification form. An annual emissions certification report must be submitted to the Department by April 1 of each calendar year by affected facilities.

Section. 3A. Emissions Unit Descriptions

This section must be completed for each non-exempt emissions unit within a facility including short-term activities. Make copies of the blank form as needed. The numbering of multiple copies (e.g., 3A-1, 3A-2, etc.) of this form as well as all

pages of the completed application is strongly recommended not only to facilitate review and discussion of the application, but also to prevent the inadvertent omission or loss of pages that could jeopardize a timely completeness determination.¹

1. Indicate the emission unit number, assigned by the facility, that identifies this unit from all others within the facility. If there is more than one emissions unit at the facility, attach a separate form (Section 3A) for each emissions unit. Include the date (month/year) the installation of the emissions unit was completed.
2. Include any registration number (if applicable), assigned by MDE, that is associated with this emissions unit.
3. Provide a detailed description of the emissions unit, including the emissions point(s) and their assigned number(s), associated with the unit.
4. Indicate any operating schedule limitations that are federally enforceable. Also, cite the references of the applicable federally enforceable requirements, (regulations, permit conditions, consent orders) which require the limitation.
5. Where applicable, specify type(s) of fuel, percent sulfur, and the annual usage of fuel. Be sure to specify the unit(s) of measure for the annual fuel usage.
6. Check off whether the emissions unit is an actual major or potential major source. Enter the actual emissions from the emissions unit.

Note that emissions units that have actual or potential before control emissions above major source thresholds, that are subject to an emissions standard, and require the use of an air pollution control device to meet the emissions standard are subject to the requirement to submit a CAM plan. Review the discussion of CAM plans

Section 3B. Citation and Description of Applicable Federally Enforceable Requirements

This section must be completed for each applicable federally enforceable emissions standard/ limit or operational limitation for each emissions unit.² Make

¹Where a facility has maintained a summary table, based upon an existing database report or spreadsheet, that contains **the same information required by this section**, the applicant may refer to that document in this section and include it as part of the application. Applicants choosing this option should, however, check with the Department to determine if proposed substitute format is acceptable.

²Where a facility has maintained a summary table, based upon an existing database report or spreadsheet, that contains **the same information required by this section**, the applicant may refer to that document in this section and include it as part of the application. Applicants choosing this option should, however,

copies of the blank form as needed. As with form 3A, the numbering of multiple pages (e.g., 3B-1, 3B-2, etc.) of this form is strongly recommended to facilitate review and the application completeness determination.

For each emissions unit:

1. Indicate the assigned emissions unit number. Where some or all of the emission units at a facility are subject to the same applicable emissions standard or operational limitation and will use the same methodology of compliance demonstration, the applicant may choose to group the emission unit numbers (e.g., "EU1 - EU4" or "Facility-wide"). The grouped emissions units must share the identical standards/limitations and the identical method of compliance demonstration. In addition, if an emissions unit consists of emissions points that have different applicable standards/limits or operational limitations, a separate Section 3B must be submitted for each emissions point for each different standard/limitation.
2. In the "General Reference" space, cite the federally enforceable basis for the emissions standard/limit or operational limitation. This will be either a federal regulation, a state regulation that is included in Maryland's approved State Implementation Plan (SIP), a condition based on a Clean Air Act requirement and is found in a permit to construct, or a condition from a consent order that is part of Maryland's SIP.
3. Briefly summarize the emissions standard/ limit or operational limitation.. If there is more than one standard/limitation associated with the emissions unit(s)/point(s), attach a separate form Section 3B for each standard/limitation.
4. For each federally enforceable emissions standard/limit or operational limitation, describe how each emissions unit (emissions point) is monitored and/or tested to demonstrate compliance and indicate any record keeping or reporting activities. Indicate the reference (federally enforceable basis) for the monitoring, record keeping, reporting, and testing requirements. If the basis is not a federal regulation, a state regulation that is included in Maryland's approved SIP, a federally enforceable permit to construct condition, or a condition in a consent order that is in Maryland's approved SIP, indicate the reference as "COMAR 26.11.03.06C, proposed periodic monitoring".

The applicant is required to propose periodic monitoring when the basis for a federally enforceable emissions standard/limit or operational limitation does not have associated testing, monitoring, record keeping or reporting requirements sufficient for the applicant to demonstrate compliance with the emissions standard/limit or operational limitation. Periodic monitoring is not required for emissions units subject to New Source Performance Standards under 40 CFR Part 60 that were promulgated after August 1990, or subject to any Maximum Achievable Control Technology (MACT) Standards promulgated under 40 CFR Part 63.

5. Indicate the frequency of submittal of the compliance certification. Check off the reports that are required to be submitted. Every facility is required to submit

a semi-annual monitoring report and an annual compliance certification. See COMAR 26.11.03.06C(7) and G(6). Many sources that require the use of continuous emissions monitors (CEMs) to demonstrate compliance with an emissions standard/limit are required to submit quarterly reports.

Section 3C. Obsolete, Extraneous, or Insignificant Permit Conditions

This form is used to list permit to construct conditions which should be considered to be obsolete, extraneous, or environmentally insignificant. For example, conditions relating to the construction activity during the building or modification of the source should be listed here. State-only enforceable permit to construct conditions should be listed on the forms provided in Part V.

Make copies of the blank form as needed. Pagination (e.g., 3C-1, 3C-2) is recommended.

1. Indicate the emissions unit number.
2. Indicate the permit to construct number.
3. Indicate the emissions point number.
4. Indicate the date the permit to construct was issued.
5. Identify the condition number as indicated on the permit to construct.
6. Briefly describe the permit condition and the reason why it is believed to be obsolete, extraneous, or insignificant.

If the Department determines that any condition listed in this section should be retained as a federally enforceable requirement, the facility will be required to re-certify its application with respect to those permit to construct conditions.

Section 3D. Alternate Operating Scenarios

Briefly describe any alternate operating scenarios that apply to an emissions unit and assign a number to each scenario for identification purposes. For each scenario, provide the following information:

1. The emissions unit number; and
2. The operating parameters for the emissions unit (i.e. operating hours, materials and fuels consumed, etc.) and other information which describes the how the operation of the unit will change under the scenario.

Section 3E. Citation to and Description of Applicable Federally Enforceable Requirements for an Alternate Operating Scenario

Make copies of the blank form as needed. Pagination (e.g., 3E-1, 3E-2) is recommended.

This section must be completed for any applicable federally enforceable requirement that is triggered by an alternate operating scenario that has been described in Section 3D. See the instructions for Section 3B for completing this form.

Section 4. Control Equipment

This form is to be used to describe, where applicable, each piece of control equipment associated with each emissions point. If more than one piece of equipment is used in series to control the emissions from an emissions point, complete a separate Section 4 form for each. Make copies of the blank form as needed. Pagination (e.g., 4-1, 4-2) is recommended.

1. Describe the type of control equipment.
2. Indicate the associated emissions unit number.
3. Indicate the associated emissions point number.
4. List the pollutant(s) that is (are) being controlled and the applicable control efficiency for each pollutant.
5. Specify the capture efficiency of the equipment if it is less than 100%.

Section 5. Summary Sheet of Potential Emissions

This form should only be used by facilities in order to:

- 1) *claim an exemption based on an emissions level cutoff in a standard that has been issued for the category to which the emissions unit potentially belongs (i.e. MACT standard); and*
- 2) *resolve a dispute over whether a particular requirement is applicable or whether a source is major for a particular pollutant (NO_x RACT or VOC RACT).*

Make copies of the blank form as needed. Pagination (e.g. 5-1, 5-2) is recommended.

1. List each emissions unit by its number corresponding to those identified in Section 3.
2. For each emissions unit, quantify all applicable pollutants in tons per year.
3. In the last row of the table, quantify the fugitive emissions of each pollutant emitted from the entire facility.
4. Attach a copy of all calculations.

Section 6. An Explanation of Proposed Exemptions from Otherwise Applicable Federally Enforceable Requirements.

Complete this section as indicated to describe and justify the exemption of an emission unit from a federally enforceable requirement, e.g., an exemption under the Early Reductions Program established in Section 112(i) of the Clean Air Act. This section can also be used to clarify that a given emissions unit is not subject to a particular requirement (e.g., a unit that is grandfathered or that has potential emissions below a major source threshold).

Make copies of the blank form as needed. Pagination (e.g., 6-1, 6-2) is recommended.

1. Identify the applicable requirement.
2. Briefly describe how the applicable requirement relates to the facility.
3. Specify the reasons for the proposed exemption or claim of non-applicability. If relevant, include (or refer to previously submitted) emissions calculations that demonstrate non-applicability.

Section 7. Compliance Schedule for Noncomplying Emissions Units

If an approved MDE administrative order or judicial consent decree is in effect, attach a copy of it and complete only block #1. For any other plan for compliance, complete blocks 1 through 3 as follows:

1. Identify each emissions unit, the requirement that is being violated, and the date on which the unit is expected to be in compliance;
2. Describe in detail the proposed plan to be used to achieve compliance; and
3. Indicate the schedule of remedial measures which includes an enforceable sequence of actions with milestone dates. Certified progress reports for noncomplying facilities shall be submitted at least quarterly.

C. CAM Plan

When applicable, the applicant must submit a CAM plan along with the Part 70 permit application. The application will not be considered complete if a required CAM plan is not submitted.

The monitoring design criteria for a CAM plan is spelled out in 40 CFR Part 64.3. The CAM plan submittal requirements are specified in §64.4.

The following outline summarizes the contents of a CAM plan.

- I. Background
 - A. Emissions unit identification
 - B. Applicable regulation, emissions limits, and monitoring requirements
 - C. Control technology description
- II. Monitoring Approach
 - A. General Criteria
 1. Performance indicator(s)

2. Indicator range(s) or designated condition(s)
For COMS, range(s) used to assure compliance with PM standards

B. Performance Criteria

1. Data representativeness
2. Verification of operational status (new or modified equipment)
3. QA/QC practices
4. Monitoring frequency and data collection procedures

For monitoring approaches using CEMS, COMS, and PEMS, performance criteria includes exceedance reporting required by regulation and exceedance period to be used for CAM

III. Justification

A. Monitoring approach and indicator

B. Indicator range(s)

1. Compliance test data and indicator data supporting range, or
2. Compliance test plan and schedule, or
3. Rationale and documentation for indicating that the ranges can be established without the need for compliance test data
For CEMS and PEMS: reference the most recent certification test for the monitor.

For guidance and examples of monitoring strategies, access EPA documents found at the following website:

www.epa.gov/ttn/emc/cam.html

D State-Only Enforceable Requirements

Cover Page

Provide the information as indicated.

Section 1. Citation to and Description of Applicable State-Only Enforceable Requirements

For each emissions unit which has State-only requirements, regulations, and/or permit conditions subject to the Maryland regulations:

1. Indicate the assigned registration and emissions unit numbers.
2. In the "General Reference" space, cite the basis for the State-only enforceable requirement: regulation, permit condition, or consent order. If there is more than one associated with the emissions unit, attach a separate form (Section 1) for each.
3. Briefly summarize the requirement, including any emission limit.

4. For each State-only enforceable requirement, describe how each emissions point within the emissions unit is monitored and/or tested to demonstrate compliance and indicate any record keeping or reporting activities.

III. Check-off List of Emissions Units and Activities Exempt from the Part 70 Permit Application

Insignificant Activities

Place a check mark beside each type of emissions unit or activity that is located at the facility. Where noted, please indicate the number of that type of emissions unit or activity located at the facility.

- (1) No. ___ Fuel burning equipment using gaseous fuels or no. 1 or no. 2 fuel oil, and having a heat input less than 1,000,000 Btu (1.06 gigajoules) per hour;
- (2) No. ___ Fuel-burning equipment using solid fuel and having a heat input of less than 350,000 Btu (0.37 gigajoule) per hour;
- (3) No. ___ Stationary internal combustion engines with less than 500 brake horsepower (373 kilowatts) of power output
- (4) ___ Space heaters utilizing direct heat transfer and used solely for comfort heat;
- (5) ___ Water cooling towers and water cooling ponds unless used for evaporative cooling of water from barometric jets or barometric condensers, or used in conjunction with an installation requiring a permit to operate;
- (6) No. ___ Unheated VOC dispensing containers or unheated VOC rinsing containers of 60 gallons (227 liters) capacity or less;
- (7) ___ Commercial bakery ovens with a rated heat input capacity of less than 2,000,000 Btu per hour;
- (8) ___ Kilns used for firing ceramic ware, heated exclusively by natural gas, liquefied petroleum gas, electricity, or any combination of these;
- (9) ___ Confection cookers where the products are edible and intended for human consumption;
- (10) ___ Die casting machines;
- (11) ___ Photographic process equipment used to reproduce an image upon sensitized material through the use of radiant energy;
- (12) ___ Equipment for drilling, carving, cutting, routing, turning, sawing, planing, spindle sanding, or disc sanding of wood or wood products;

- (13) ___ Brazing, soldering, or welding equipment, and cutting torches related to manufacturing and construction activities that emit HAP metals and not directly related to plant maintenance, upkeep and repair or maintenance shop activities;
- (14) ___ Equipment for washing or drying products fabricated from metal or glass, provided that no VOC is used in the process and that no oil or solid fuel is burned;
- (15) ___ Containers, reservoirs, or tanks used exclusively for electrolytic plating work, or electrolytic polishing, or electrolytic stripping of brass, bronze, cadmium, copper, iron, lead, nickel, tin, zinc, and precious metals;
- (16) Containers, reservoirs, or tanks used exclusively for:
- (a) ___ Dipping operations for applying coatings of natural or synthetic resins that contain no VOC;
 - (b) ___ Dipping operations for coating objects with oils, waxes, or greases, and where no VOC is used;
 - (c) ___ Storage of butane, propane, or liquefied petroleum, or natural gas;
 - (d) No. ___ Storage of lubricating oils;
 - (e) No. ___ Unheated storage of VOC with an initial boiling point of 300 °F (
 - (f) No. ___ Storage of Numbers 1, 2, 4, 5, and 6 fuel oil and aviation jet engine fuel,
 - (g) No. ___ Storage of motor vehicle gasoline and having individual tank capacities of 2,000 gallons (7.6 cubic meters) or less;
 - (h) No. ___ The storage of VOC normally used as solvents, diluents, thinners, inks, colorants, paints, lacquers, enamels, varnishes, liquid resins, or other surface coatings and having individual capacities of 2,000 gallons (7.6 cubic meters) or less;
- (17) ___ Gaseous fuel-fired or electrically heated furnaces for heat treating glass or metals, the use of which does not involve molten materials;
- (18) Crucible furnaces, pot furnaces, or induction furnaces, with individual capacities of 1,000 pounds (454 kilograms) or less each, in which no sweating or distilling is conducted, or any fluxing is conducted using chloride, fluoride,

or ammonium compounds, and from which only the following metals are poured or in which only the following metals are held in a molten state:

- (a) ___ Aluminum or any alloy containing over 50 percent aluminum, if no gaseous chloride compounds, chlorine, aluminum chloride, or aluminum fluoride is used;
 - (b) ___ Magnesium or any alloy containing over 50 percent magnesium;
 - (c) ___ Lead or any alloy containing over 50 percent lead;
 - (d) ___ in or any alloy containing over 50 percent tin;
 - (e) ___ Zinc or any alloy containing over 50 percent zinc;
 - (f) ___ Copper;
 - (g) ___ Precious metals;
- (19) ___ Charbroilers and pit barbecues as defined in COMAR 26.11.18.01 with a total cooking area of 5 square feet (0.46 square meter) or less;
- (20) ___ First aid and emergency medical care provided at the facility, including related activities such as sterilization and medicine preparation used in support of a manufacturing or production process;
- (21) ___ Certain recreational equipment and activities, such as fireplaces, barbecue pits and cookers, fireworks displays, and kerosene fuel use;
- (22) ___ Potable water treatment equipment, not including air stripping equipment;
- (23) ___ Firing and testing of military weapons and explosives;
- (24) ___ Emissions resulting from the use of explosives for blasting at quarrying operations and from the required disposal of boxes used to ship the explosive;
- (25) ___ Comfort air conditioning subject to requirements of Title VI of the Clean Air Act;
- (26) ___ Grain, metal, or mineral extrusion presses;
- (27) ___ Breweries with an annual beer production less than 60,000 barrels;

(28) ____ Natural draft hoods or natural draft ventilators that exhaust air pollutants into the ambient air from manufacturing/industrial or commercial processes;

(29) ____ Laboratory fume hoods and vents;

(30) No. ____ Sheet-fed letter or lithographic printing press(es) with a cylinder width of less than 18 inches;

For the following, attach additional pages as necessary:

(31) any other emissions unit, not listed in this section, with a potential to emit less than the “de minimus” levels listed in COMAR 26.11.02.10X (list and describe units):

No. ____ _____

(32) any other emissions unit at the facility which is not subject to an applicable requirement of the Clean Air Act (list and describe):

No. ____ _____

No. ____ _____

No. ____ _____

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard Baltimore MD 21230
(410) 537-3000 1-800-633-6101 <http://www.mde.state.md.us>

PART 70 PERMIT INITIAL APPLICATION
AIR AND RADIATION MANAGEMENT ADMINISTRATION

Facilities required to obtain a Part 70 permit under COMAR 26.11.03.01 must complete and return this form. Applications are incomplete unless all applicable information required by COMAR 26.11.03.03 is supplied. Failure to supply additional information required by the Department to enable it to act on the application may result in loss of the application shield and denial of this application.

Owner and Operator:

Name of Owner or Operator:		
Street Address:		
City:	State:	Zip Code:
Telephone Number	Fax Number	

Facility Information:

Name of Facility:		
Street Address:		
City:	State:	Zip Code:
Plant Manager:	Telephone Number:	Fax Number:
24-Hour Emergency Telephone Number for Air Pollution Matters:		
E-mail Address:		

List, on a separate page, the names and telephone numbers of other facility owners and persons with titles.



SECTION 1. CERTIFICATION STATEMENTS

1. Compliance Status with Applicable Enhanced Monitoring and Compliance Certification Requirements

The emissions units identified in this application are in compliance with applicable enhanced monitoring and compliance certification requirements.

2. Certification of Current Compliance with All Applicable Federally Enforceable Requirements

Except for the requirements identified in Section 7 of this application, for which compliance is not achieved, I hereby certify, based on information and belief formed after reasonable inquiry, that the facility is currently in compliance with all applicable federally enforceable requirements and agree that the facility will continue to comply with those requirements during the permit term.

You must complete a Section 7 form for each non-complying emissions unit.

3. Statement of Compliance with Respect to All New Applicable Requirements Effective During the Permit Term

I hereby state, based on information and belief formed after reasonable inquiry, that the facility agrees to meet, in a timely manner, all applicable federally enforceable requirements that become effective during the permit term, unless a more detailed schedule is expressly required by the applicable requirement.

4. Risk Management Plan Compliance

I hereby certify that, based on information and belief formed after reasonable inquiry, that a Risk Management Plan as required under 112(r) of the Clean Air Act:

has been submitted;

will be submitted at a future date; or

does not need to be submitted.



5. Statement of Truth, Accuracy, and Completeness

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision and in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person(s) who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

RESPONSIBLE OFFICIAL:

X _____

SIGNATURE

DATE

PRINTED NAME

TITLE



SECTION 2. FACILITY DESCRIPTION SUMMARY

1. Major Activities of Facility

Briefly describe the major activities, including the applicable SIC Code(s) and end product(s).

2. Facility-Wide Emissions

A. This facility is required to obtain a Part 70 Operating Permit because it is:
Check appropriate box:

- Actual Major
- Potential Major
- Solid Waste Incineration Unit Requiring Permit Under § 129(e) of CAA
- Other Reason: _____

B. List the actual facility-wide emissions below:

PM10 _____ NOx _____ VOC _____ SOx _____ CO _____
HAPs _____

3. Include With the Application:

- A. Flow Diagrams showing all emissions units, emission points, and control devices;
- B. Plot plan of the entire facility;
- C. Emissions Certification Report (copy of the most recent submitted to the Department)



**SECTION 3B. CITATION TO AND DESCRIPTION OF APPLICABLE
FEDERALLY ENFORCEABLE REQUIREMENTS**

Emissions Unit No.: _____ **General Reference:** _____

Briefly describe the Emission Standard/Limit or Operational Limitation:

Compliance Demonstration:

Methods used to demonstrate compliance:

Monitoring: Reference _____ Describe: _____

Testing: Reference _____ Describe: _____

Record Keeping: Reference _____ Describe: _____

Reporting: Reference _____ Describe: _____

Frequency of submittal of the compliance demonstration: _____

Check appropriate reports required to be submitted:

Quarterly Monitoring Report: _____

Annual Compliance Certification: _____

Semi-Annual Monitoring Report: _____



**SECTION 3E. CITATION TO AND DESCRIPTION OF APPLICABLE
FEDERALLY ENFORCEABLE REQUIREMENTS FOR AN
ALTERNATE OPERATING SCENARIO**

Scenario No.: _____
Emissions Unit No.: _____ **General Reference:** _____

Briefly describe any applicable Emissions Standard/Limits/Operational Limitations:

Compliance Demonstration:

Methods used to demonstrate compliance:

Monitoring: Reference _____ Describe: _____

Testing: Reference _____ Describe: _____

Record Keeping: Reference _____ Describe: _____

Reporting: Reference _____ Describe: _____

Frequency of submittal of the compliance demonstration: _____

Check appropriate reports required to be submitted:

Quarterly Monitoring Report: _____

Annual Compliance Certification: _____

Semi-Annual Monitoring Report: _____



SECTION 4. CONTROL EQUIPMENT

1. <u>Associated Emissions Units No.</u> :	2. <u>Emissions Point No.:</u>
3. <u>Type and Description of Control Equipment:</u>	
4. <u>Pollutants Controlled:</u>	<u>Control Efficiency:</u>
5. <u>Capture Efficiency:</u>	



SECTION 5. SUMMARY SHEET OF POTENTIAL EMISSIONS

List all applicable pollutants in tons per year (tpy) pertaining to this facility. The Emissions Unit No. should be consistent with numbers used in Section 3. Attach a copy of all calculations.

Pollutant					
CAS Number (If Applicable)					
Emissions Unit #					
Emissions Unit #					
Emissions Unit #					
Emissions Unit #					
Emissions Unit #					
Emissions Unit #					
Emissions Unit #					
Emissions Unit #					
Emissions Unit #					
Emissions Unit #					
Emissions Unit #					
Emissions Unit #					
Emissions Unit #					
Emissions Unit #					
Emissions Unit #					
Fugitive Emissions					
Total					



SECTION 6.

**EXPLANATION OF PROPOSED EXEMPTIONS FROM
OTHERWISE APPLICABLE FEDERALLY ENFORCEABLE
REQUIREMENTS**

Describe and cite the applicable requirements to be exempted. Complete this Section only if the facility is claiming exemptions from or the non-applicability of any federally enforceable requirements.

1. Applicable Requirement:
2. Brief Description:
3. Reasons for Proposed Exemption or Justification of Non-applicability:



SECTION 7. COMPLIANCE SCHEDULE FOR NONCOMPLYING EMISSIONS UNITS

1. Emissions Unit #	Anticipated Compliance Date
Applicable Federally Enforceable Requirement being Violated:	

2. Description of Plan to Achieve Compliance: <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
--

Certified Progress Reports for sources in noncompliance shall be submitted at least quarterly to the Department.



This page intentionally left blank.



STATE-ONLY ENFORCEABLE REQUIREMENTS

Facility Information:

Name of Facility:	County:
Premises Number:	
Street Address:	
24-hour Emergency Telephone Number for Air Pollution Matters:	
Type of Equipment (List Significant Units):	



**SECTION 1. CITATION TO AND DESCRIPTION OF
APPLICABLE STATE-ONLY ENFORCEABLE
REQUIREMENTS**

Registration No.: _____

Emissions Unit No.: _____ **General Reference:** _____

Briefly describe the requirement and the emissions limit (if applicable):

Methods used to demonstrate compliance:



VI .Application Completeness Checklist

The purpose of this part is to list the information required to achieve a Part 70 application shield.

Cover Page

- () Name and address of owner or operator, including telephone number.
- () Name and address of facility, including the plant manager's name and telephone number.
- () A 24-hour emergency telephone number for air pollution matters.

Section 1 CERTIFICATION STATEMENTS

- () The certification statement completed and signed by a responsible official.

Section 2 FACILITY DESCRIPTION SUMMARY

- () A brief description of each of the source's process(es), including all applicable SIC codes and end products.
- () Flow diagrams indicating all emissions units, emission points, and control devices.
- () A plot plan of the entire facility.
- () Emission Certification Report.
- () General Emissions Information.

Section 3 EMISSIONS UNIT DESCRIPTIONS –

This section must be completed for each emissions unit.

Part A

- () Emissions unit number.
- () Detailed description of unit, including all emission points.
- () Federally enforceable limit(s) on the operating schedule.

- () Fuel consumption information for any emissions unit that consumes fuel including the type of fuel, percent sulfur, and annual usage of fuel.

Part B

- () A citation and description of each federally enforceable requirement, including all emission standards, for each emissions unit.
- () A statement of compliance demonstration techniques for each requirement, including a description of monitoring, record keeping, reporting requirements, and test methods.
- () The frequency of submittal of the compliance demonstration during the permit term.

Part C

- () Emissions unit number.
- () Permit to construct number.
- () Emissions point number(s).
- () Date(s) the permit to construct was issued.
- () Condition number(s) as indicated on the permit to construct.
- () Description of the permit condition(s) and the reason(s) why they are believed to be obsolete, extraneous, or insignificant.

Part D

- () Description of all alternate operating scenarios that apply to an emissions unit.
- () Number assigned to each scenario.
- () Emissions unit number.
- () Description of the operating parameters for the emissions unit and other information which describes the how the operation of the unit will change under the different scenario.

Part E

- () A citation and description of each federally enforceable requirement triggered by an operating scenario, including all emission standards, for each emissions unit.
- () As an attachment, the date and results of the most recent compliance demonstration for each emission standard and/or emissions certification report with relevant supporting documentation.
- () A statement of compliance demonstration techniques for each requirement, including a description of monitoring, record keeping, reporting requirements, and test methods.
- () The frequency of submittal of the compliance demonstration during the permit term.

Section 4 CONTROL EQUIPMENT

- () The type of each piece of air pollution control equipment
- () The capture and control efficiencies of the control equipment.

Section 5 SUMMARY SHEET OF POTENTIAL EMISSIONS

- () Quantity of potential emissions for criteria pollutants and HAPs emitted in tons per year for each emissions unit.
- () Fugitive emission estimations for the entire facility for criteria pollutants and HAPs emitted in tons per year.
- () Basis for all emission calculations.

Section 6 AN EXPLANATION OF PROPOSED EXEMPTIONS FROM OTHERWISE APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS

- () An explanation of the proposed exemption.

Section 7 COMPLIANCE SCHEDULE FOR NONCOMPLYING EMISSIONS UNITS

- () Identification of emissions unit(s) not in compliance, including the requirement being violated and the effective compliance date.
- () Detailed description of methods to be used to achieve compliance.
- () A schedule of remedial measures, including an enforceable sequence of actions with milestones.

Attachment

- () Checklist of Insignificant Activities
- () CAM Plan (If Applicable)