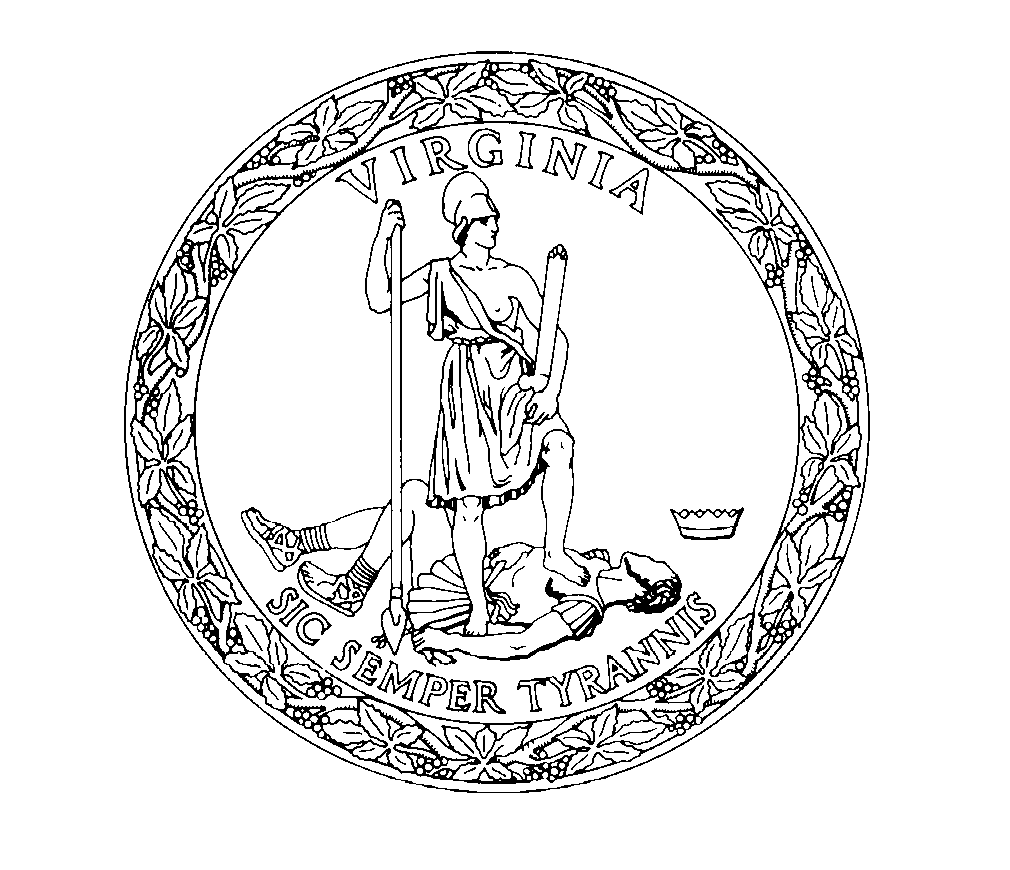
**PERMIT FORMS PURSUANT TO REGULATIONS FOR**

**THE CONTROL AND ABATEMENT OF AIR POLLUTION**

[](http://www.deq.virginia.gov/)

**COMMONWEALTH OF VIRGINIA**

**DEPARTMENT OF ENVIRONMENTAL QUALITY**

**AIR PERMIT**

**FORM 7 APPLICATION**

**for**

**NEW SOURCE REVIEW PERMITS**

**and STATE OPERATING PERMITS**



Table of Contents

[WHAT PAGES DO I FILL OUT FOR MY FACILITY? 3](#_Toc89152872)

[LOCAL GOVERNING BODY CERTIFICATION FORM 5](#_Toc89152873)

[VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY – 2025 AIR PERMIT APPLICATION FEES 6](#_Toc89152874)

[AIR PERMIT APPLICATION CHECKLIST 9](#_Toc89152875)

[DOCUMENT CERTIFICATION FORM 10](#_Toc89152876)

[GENERAL INFORMATION 11](#_Toc89152877)

[FUEL BURNING EQUIPMENT: (Boilers, Turbines, Kilns, and Other External Combustion Units) 13](#_Toc89152878)

[STATIONARY INTERNAL COMBUSTION ENGINES: 14](#_Toc89152879)

[LIQUID AND/OR SOLID WASTE INCINERATORS: (NOT AN AIR EMISSIONS CONTROL DEVICE) 15](#_Toc89152880)

[PROCESSING, MANUFACTURING, SURFACE COATING AND DEGREASING OPERATIONS: 16](#_Toc89152881)

[INKS, COATINGS, STAINS, AND ADHESIVES: 17](#_Toc89152882)

[VOLATILE ORGANIC COMPOUND (VOC)/PETROLEUM LIQUID STORAGE TANKS: 18](#_Toc89152883)

[LOADING RACKS AND OIL-WATER SEPARATORS: 20](#_Toc89152884)

[FUMIGATION OPERATIONS: 21](#_Toc89152885)

[AIR POLLUTION CONTROL AND MONITORING EQUIPMENT: 22](#_Toc89152886)

[AIR POLLUTION CONTROL EQUIPMENT - SUPPLEMENTAL INFORMATION: 23](#_Toc89152887)

[STACK PARAMETERS AND FUEL DATA: 24](#_Toc89152888)

[PROPOSED PERMIT LIMITS FOR CRITERIA POLLUTANTS: 25](#_Toc89152889)

[PROPOSED PERMIT LIMITS FOR TOXIC POLLUTANTS/HAPS: 26](#_Toc89152890)

[PROPOSED PERMIT LIMITS FOR OTHER REGULATED POLLUTANTS: 27](#_Toc89152891)

[PROPOSED PERMIT LIMITS FOR GREENHOUSE GASES (GHGs) ON MASS BASIS: FOR PSD MAJOR SOURCES ONLY 28](#_Toc89152892)

[PROPOSED PERMIT LIMITS FOR GREENHOUSE GASES (GHGs) ON CO2 EQUIVALENT EMISSIONS (CO2e) BASIS: FOR PSD MAJOR SOURCES ONLY 29](#_Toc89152893)

[BASELINE ACTUAL EMISSIONS (BAE) FOR CRITERIA POLLUTANTS: FOR PSD OR MAJOR NONATTAINMENT SOURCES ONLY 30](#_Toc89152894)

[BASELINE ACTUAL EMISSIONS (BAE) FOR GREENHOUSE GASES (GHGs) POLLUTANT EMISSIONS ON MASS BASIS: FOR PSD MAJOR SOURCES ONLY 31](#_Toc89152895)

[BASELINE ACTUAL EMISSIONS (BAE) FOR GREENHOUSE GASES (GHGs) POLLUTANT EMISSIONS ON CO2 EQUIVALENT EMISSIONS (CO2e) BASIS: FOR PSD MAJOR SOURCES ONLY 32](#_Toc89152896)

[OPERATING PERIODS: 33](#_Toc89152897)

[WHAT PAGES DO I FILL OUT FOR MY FACILITY?](#WhatPagesDoIFillOutForMyFacility)

* ALL NEW SOURCES AND MAJOR MODIFICATIONS:
* [**Page 5** - Local Governing Body Certification Form](#LocalGoverningBodyCertForm)
* Suitability and Value Form – [Located on DEQ’s website with this form](https://www.deq.virginia.gov/permits/air/forms)
* ALL NEW AND MODIFIED SOURCES (EXCEPT FOR TRUE MINORS):
* [**Page 6** - 2025 Air Permit Application Fee Form](#AppFeeForm)
* ALL PERMITS:
* **[Page 9](#ApplicationChecklist)** [- Application Checklist](#ApplicationChecklist)
* [**Page 10** - Document Certification Form](#DocCertForm)
  + [**Page 11** - General Information Form](#GeneralInfo)
  + [**Page 12** - General Information Form Continued](#GeneralInfoContinued)
* ALL NEW AND MODIFIED **MAJOR** SOURCES: **(PSD MAJOR SOURCES ONLY)**
  + [**Page 28** - Proposed Permit Limits For Greenhouse Gases (GHGs) On Mass Basis](#LimitsForGHGMassBasis)
  + [**Page 29** - Proposed Permit Limits For Greenhouse Gases (GHGs) On CO2 Equivalent Emissions (CO2e) Basis](#LimitsForGHGonCO2e)

**[Page 30](#BAEforCriteriaPollutants)** [- Baseline Actual Emissions (BAE) For Criteria Pollutants](#BAEforCriteriaPollutants)

* + [**Page 31** - Baseline Actual Emissions (BAE) For Greenhouse Gases (GHGs) Pollutant Emissions On Mass Basis](#BAEforGHGEmissionsOnMassBasis)
  + [**Page 32** - Baseline Actual Emissions (BAE) For Greenhouse Gases (GHGs) Pollutant Emissions On CO2 Equivalent Emissions (CO2e) Basis](#BAEforGHGEmissionsOnCO2e)

**In Addition, Complete the Following Pages If You Operate or Plan to Operate any the Following Processes or Types of Equipment:**

* FOR BOILERS, EXTERNAL COMBUSTION UNITS, TURBINES:
  + [**Page 13**- Fuel Burning Equipment: (Boilers, Turbines, Kilns, And Other External Combustion Units)](#FuelBurningEquip)
  + [**Page 22** - Air Pollution Control And Monitoring Equipment](#ControlAndMonitoringEquipment) (If Applicable)
  + [**Page 23** - Air Pollution Control Equipment – Supplemental Information](#ControlEquipmentSupplementalInfo) (If Applicable)
  + [**Page 24** - Stack Parameters And Fuel Data](#StackParametersAndFuelData)
  + [**Page 25** - Proposed Permit Limits For Criteria Pollutants](#ProposedPermitLimitsForCriteriaPollutant)
  + [**Page 26** - Proposed Permit Limits For Toxic Pollutants/HAPS](#LimitsForHAPS)
  + [**Page 27** - Proposed Permit Limits For Other Regulated Pollutants](#LimitsForRegulatedPollutants)
  + [**Page 33** - Operating Periods](#OperatingPeriods)
* FOR STATIONARY COMBUSTION ENGINES:
  + [**Page 14** - Stationary Internal Combustion Engines](#StationaryInternalCombustionEngine)
  + [**Page 22** - Air Pollution Control And Monitoring Equipment](#ControlAndMonitoringEquipment) (If Applicable)
  + [**Page 23** - Air Pollution Control Equipment – Supplemental Information](#ControlEquipmentSupplementalInfo) (If Applicable)
  + [**Page 24** - Stack Parameters And Fuel Data](#StackParametersAndFuelData)
  + [**Page 25** - Proposed Permit Limits For Criteria Pollutants](#ProposedPermitLimitsForCriteriaPollutant)
  + [**Page 33** - Operating Periods](#OperatingPeriods)
* FOR INCINERATORS:
  + [**Page 15** - Liquid and/or Solid Waste Incinerators: (Not An Air Emissions Control Device)](#Incinerators)
  + [**Page 22** - Air Pollution Control And Monitoring Equipment](#ControlAndMonitoringEquipment)
  + [**Page 23** - Air Pollution Control Equipment – Supplemental Information](#ControlEquipmentSupplementalInfo)
  + [**Page 24** - Stack Parameters And Fuel Data](#StackParametersAndFuelData)
  + [**Page 25** - Proposed Permit Limits For Criteria Pollutants](#ProposedPermitLimitsForCriteriaPollutant)
  + [**Page 26** - Proposed Permit Limits for Toxic Pollutants/HAPS](#LimitsForHAPS)
  + [**Page 27** - Proposed Limits For Other Regulated Pollutants](#LimitsForRegulatedPollutants)

[**Page 33** - Operating Periods](#OperatingPeriods)

* FOR SURFACE COATING OPERATIONS
* [**Page 16** - Processing, Manufacturing, Surface Coating and Degreasing Operations](#SurfaceCoating)
* [**Page 17** - Inks, Coatings, Stains and Adhesives](#InksCoatingsStains)
* [**Page 22** - Air Pollution Control And Monitoring Equipment](#ControlAndMonitoringEquipment) (If Applicable)
* [**Page 23** - Air Pollution Control Equipment – Supplemental Information](#ControlEquipmentSupplementalInfo) (If Applicable)
* [**Page 24** - Stack Parameters And Fuel Data](#StackParametersAndFuelData)
* [**Page 25** - Proposed Permit Limits For Criteria Pollutants](#ProposedPermitLimitsForCriteriaPollutant)
* [**Page 26** - Proposed Permit Limits for Toxic Pollutants/HAPS](#LimitsForHAPS)
* [**Page 27** - Proposed Limits For Other Regulated Pollutants](#LimitsForRegulatedPollutants)
* [**Page 33** - Operating Periods](#OperatingPeriods)
* FOR QUARRY OPERATIONS:
  + [**Page 16** - Processing, Manufacturing, Surface Coating and Degreasing Operations](#SurfaceCoating)
  + [**Page 22** - Air Pollution Control And Monitoring Equipment](#ControlAndMonitoringEquipment)
  + [**Page 23** - Air Pollution Control Equipment – Supplemental Information](#ControlEquipmentSupplementalInfo)
  + [**Page 24** - Stack Parameters And Fuel Data](#StackParametersAndFuelData)
  + [**Page 25** - Proposed Permit Limits For Criteria Pollutants](#ProposedPermitLimitsForCriteriaPollutant)
  + [**Page 33** - Operating Periods](#OperatingPeriods)
* FOR VOC/PETROLEUM STORAGE TANKS:
  + [**Pages 18 and 19** - Volatile Organic Compound (VOC)/Petroleum Liquid Storage Tanks](#VOCLiquidStorage)
* [**Page 24** - Stack Parameters And Fuel Data](#StackParametersAndFuelData)
* [**Page 25** - Proposed Permit Limits For Criteria Pollutants](#ProposedPermitLimitsForCriteriaPollutant)
* [**Page 26** - Proposed Permit Limits for Toxic Pollutants/HAPS](#LimitsForHAPS)
* [**Page 27** - Proposed Limits For Other Regulated Pollutants](#LimitsForRegulatedPollutants)
* [**Page 33** - Operating Periods](#OperatingPeriods)
* FOR LOADING RACKS AND OIL WATER SEPARATORS:
  + [**Page 20** - Loading Racks And Oil-Water Separators](#LoadingRacksWaterSeparators)
* [**Page 24** - Stack Parameters And Fuel Data](#StackParametersAndFuelData)
* [**Page 25** - Proposed Permit Limits For Criteria Pollutants](#ProposedPermitLimitsForCriteriaPollutant)
* [**Page 26** - Proposed Permit Limits for Toxic Pollutants/HAPS](#LimitsForHAPS)
* [**Page 27** - Proposed Limits For Other Regulated Pollutants](#LimitsForRegulatedPollutants)
* [**Page 33** - Operating Periods](#OperatingPeriods)
* FOR FUMIGATION OPERATIONS:
  + [**Page 21** - Fumigation Operations](#FumigationOperations)
* FOR ALL OTHER SOURCES:
  + [**Page 16** - Processing, Manufacturing, Surface Coating and Degreasing Operations](#SurfaceCoating)
  + [**Page 22** - Air Pollution Control And Monitoring Equipment](#ControlAndMonitoringEquipment) (If Applicable)
  + [**Page 23** - Air Pollution Control Equipment – Supplemental Information](#ControlEquipmentSupplementalInfo) (If Applicable)
  + [**Page 24** - Stack Parameters And Fuel Data](#StackParametersAndFuelData)
  + [**Page 25** - Proposed Permit Limits For Criteria Pollutants](#ProposedPermitLimitsForCriteriaPollutant)
  + [**Page 26** - Proposed Permit Limits for Toxic Pollutants/HAPS](#LimitsForHAPS)(If Applicable)
  + [**Page 27** - Proposed Limits For Other Regulated Pollutants](#LimitsForRegulatedPollutants)(If Applicable)
  + [**Page 33** - Operating Periods](#OperatingPeriods)

**\*\*NOTE:** ***Complete only the applicable pages in Form 7.***  If any pages are unused, the facility does not need to submit the unused pages with the application.

**Source-Specific Form 7 Applications**

There are **specific** Form 7 Applications available on the [DEQ website](https://www.deq.virginia.gov/permits/air/forms) for the sources listed below:

* Asphalt plants (Form 7A)
* Crematories (Form 7B)
* Concrete Batch Plant (Form 7C)

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

|  |  |  |
| --- | --- | --- |
| **VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY - AIR PERMITS**  LOCAL GOVERNING BODY CERTIFICATION FORM | | |
| Business Entity Name (same name on file with the [Virginia SCC](https://cis.scc.virginia.gov/)) | Registration Number: | |
| Applicant's Name: | Name of Contact Person at the site: | |
| Applicant’s Mailing address: | Contact Person Telephone Number: | |
| Facility location (also attach map): | | |
| Facility type, and list of activities to be conducted: | | |
| The applicant is in the process of completing an application for an air pollution control permit from the Virginia Department of Environmental Quality. In accordance with § 10.1-1321.1. Title 10.1, Code of Virginia (1950), as amended, before such a permit application can be considered complete, the applicant must obtain a certification from the governing body of the county, city or town in which the facility is to be located that the location and operation of the facility are consistent with all applicable ordinances adopted pursuant to Chapter 22 (§§ 15.2-2200 et seq.) of Title 15.2. The undersigned requests that an authorized representative of the local governing body sign the certification below. | | |
| Applicant's  signature: | | Date: |

|  |  |  |  |
| --- | --- | --- | --- |
| **The undersigned local government representative certifies** to the consistency of the proposed location and operation of the facility described above with all applicable local ordinances adopted pursuant to Chapter 22 (§§15.2-2200 et seq.) of Title 15.2. of the Code of Virginia (1950) as amended, as follows:  (**Check one block**) | | | |
|  |  | The proposed facility is **fully consistent** with all applicable local ordinances. | |
|  | | | |
|  |  | The proposed facility is **inconsistent** with applicable local ordinances; see attached information. | |
|  | | | |
| Signature of  authorized  government  representative: | | | Date: |
| Type or  print name: | | | Title: |
| County, city or town: | | | |

**[THE LOCAL GOVERNMENT REPRESENTATIVE SHOULD FORWARD THE SIGNED CERTIFICATION TO THE APPROPRIATE DEQ REGIONAL OFFICE AND SEND A COPY TO THE APPLICANT.]**

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

**VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY – 2025 AIR PERMIT APPLICATION FEES**

**VALID JANUARY 1, 2025 TO DECEMBER 31, 2025**

|  |  |  |  |
| --- | --- | --- | --- |
| Air permit applications are subject to a fee and fee are adjusted January 1 of each calendar year. **The fee does not apply to administrative amendments or** [true minor sources.](https://www.deq.virginia.gov/permits/air) Applications will be considered incomplete if the proper fee is not paid and will not be processed until full payment is received. **Air permit application fees are not refundable. Please contact the Regional Air Permit Manager if you are unsure of your fee amount.**  **Step 1:** Send this **ORIGINAL** form and a check (or money order) payable to “Treasurer of Virginia” to:  **Department of Environmental Quality Department of Environmental Quality**  **Receipts Control OR** **Receipts Control**  **P.O. Box 1104 FOR OVERNIGHT 1111 East Main Street, Suite 1400**  **Richmond, VA 23218 DELIVERY Richmond, VA 23219**  **Step 2:** Send a **COPY** of this form with the permit application to the appropriate[**DEQ Regional Office**](https://www.deq.virginia.gov/get-involved/about-us/contact-us)  **Step 3:** Retain a copy for your records. Questions should be directed to the DEQ regional office where the application will be submitted | | | |
| **COMPANY NAME:** |  | **FIN:** |  |
|  |  |  |  |
| **COMPANY REPRESENTATIVE:** |  | **EMAIL** |  |
|  |  | **ADDRESS:** |  |
| **MAILING ADDRESS:** |  |  |  |
|  |  |  |  |
| **BUSINESS PHONE:** |  | **FAX:** |  |
|  |  |  |  |
| **FACILITY NAME:** |  | **REGISTRATION** |  |
|  |  | **NUMBER:** |  |
| **PHYSICAL LOCATION:** |  |  |  |
|  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **PERMIT ACTIVITY**  **AIR PERMIT APPLICATION FEES ARE NOT REFUNDABLE Please contact the** [**Regional Air Permit Manager**](https://www.deq.virginia.gov/permits/air) **if you are unsure of your fee amount** | **APPLICATION FEE AMOUNT** | **CHECK ONE** |
| **Sources subject to Title V permitting requirements:** |  | |
| * Major NSR permit (Articles 7, 8, 9) | $86,518 |  |
| * Major NSR permit amendment (Articles 7, 8, 9) **(except administrative)\*** | $13,733 |  |
| * State major permit (Article 6) | $34,332 |  |
| * Title V permit (Articles 1, 3) | $48,065 |  |
| * Title V permit renewal (Articles 1, 3) | $20,599 |  |
| * Title V permit modification (Articles 1, 3) | $5,493 |  |
| * Minor NSR permit (Article 6) | $6,866 |  |
| * Minor NSR amendment (Article 6) **(except administrative)\*** | $3,433 |  |
| * State operating permit (Article 5) | $13,733 |  |
| * State operating permit amendment (Article 5) **(except administrative)\*** | $5,493 |  |
| **Sources subject to Synthetic Minor permitting requirements:** |  | |
| * Minor NSR permit (Article 6) | $4,119 |  |
| * Minor NSR amendment (Article 6)**\* (except administrative)\*** | $1,373 |  |
| * State operating permit (Article 5) | $6,866 |  |
| * State operating permit amendment (Article 5)**\* (except administrative)\*** | $3,433 |  |

**\*AIR PERMIT APPLICATION FEES DO NOT APPLY TO ADMINISTRATIVE AMENDMENTS**

**DEQ OFFICE TO WHICH PERMIT APPLICATION WILL BE SUBMITTED (check one)**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  | **FOR DEQ USE ONLY** |
| [**SWRO/Abingdon**](https://www.deq.virginia.gov/get-involved/about-deq/contact-us/southwest-regional-office) | [**NRO/Woodbridge**](https://www.deq.virginia.gov/get-involved/about-deq/contact-us/northern-regional-office) | [**PRO/Richmond**](https://www.deq.virginia.gov/get-involved/about-deq/contact-us/piedmont-regional-office) | **Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
|  |  |  | **DC #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| [**VRO/Harrisonburg**](https://www.deq.virginia.gov/get-involved/about-deq/contact-us/valley-regional-office) | [**BRRO/Roanoke**](https://www.deq.virginia.gov/get-involved/about-deq/contact-us/blue-ridge-regional-office) | [**TRO/Virginia Beach**](https://www.deq.virginia.gov/get-involved/about-deq/contact-us/tidewater-regional-office) | **Reg. No.: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
|  |  |  |  |

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

**APPLICATION FEE FORM DEFINITIONS:**

***Administrative amendment***– An administrative change to a permit issued pursuant to Article 1 (9VAC5-80-50 et seq.), Article 3 (9VAC5-80-360 et seq.), Article 5 (9VAC5-80-800 et seq.), Article 6 (9VAC5-80-1100 et seq.), Article 7 (9VAC5-80-1400 et seq.), Article 8 (9VAC5-80-1605 et seq.), or Article 9 (9VAC5-80-2000 et seq.) of 9VAC5 Chapter 80. Administrative amendments include, but are not limited to, the following:

* Corrections of typographical or any other error, defect or irregularity which does not substantially affect the permit,
* Identification of a change in the name, address, or phone number of any person identified in the permit, or of a similar minor administrative change at the source,
* Change in ownership or operational control of a source where the board determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the board.

***Major new source review permit (Major NSR permit)*** – A permit issued pursuant to Article 7 (9VAC5-80-1400 et seq.), Article 8 (9VAC5-80-1605 et seq.), or Article 9 (9VAC5-80-2000 et seq.) of 9VAC5 Chapter 80. **For purposes of fees, the Major NSR permit also includes applications for projects that are major modifications.**

* An Article 7 permit is a preconstruction review permit (case-by-case Maximum Achievable Control Technology (MACT) determination) for the construction or reconstruction of any stationary source or emission unit that has the potential to emit, considering controls, 10 tons per year or more of any individual hazardous air pollutant (HAP) or 25 tons per year or more of any combination of HAPs and EPA has not promulgated a MACT standard or delisted the source category.
* An Article 8 permit is for a source (1) with the potential to emit over 250 tons per year of a single criteria pollutant OR (2) is in one of the listed source categories under [9VAC5-80-1615](https://law.lis.virginia.gov/admincode/title9/agency5/chapter80/section1615/) and has the potential to emit over 100 tons per year of any criteria pollutant OR (3) with the potential to emit over 100,000 tons per year of CO2 equivalent (CO2e) (9VAC5-85 Part IIl). PSD permits are issued in areas that are in attainment of the National Ambient Air Quality Standards.
* An Article 9 permit is a preconstruction review permit for areas that are in nonattainment with a National Ambient Air Quality Standard (NAAQS). Nonattainment permits are required by any major new source that is being constructed in a nonattainment area and is major for the pollutant for which the area is in nonattainment. Nonattainment permitting requirements may also be triggered if an existing minor source makes a modification that results in the facility being major for the pollutant for which the area is in nonattainment. A major source is any source with potential to emit over 250 tons per year of a single criteria pollutant or is in one of the listed source categories under [9VAC5-80-2010](https://law.lis.virginia.gov/admincode/title9/agency5/chapter80/section2010/) and the potential to emit over 100 tons per year of any criteria pollutant. However, if any area is in nonattainment for a specific pollutant, the major source threshold may be lower for that pollutant. For example, sources locating in the Northern Virginia Ozone Nonattainment Area which are part of the [Ozone Transport Region](https://law.lis.virginia.gov/admincode/title9/agency5/chapter80/section2010/) would be a major source if they have the potential to emit more than 100 tons per year of NOX and/or 50 tons per year of VOC regardless of source category. Nonattainment permits do not require an air quality analysis but require a source to control to the Lowest Achievable Emission Rate (LAER) and to obtain offsets.

***Major NSR permit amendment*** – A change to a permit issued pursuant to Article 7 (9VAC5-80-1400 et seq.), Article 8 (9VAC5-80-1605 et seq.), or Article 9 (9VAC5-80-2000 et seq.) of 9VAC5 Chapter 80**. Only minor amendments and significant amendments are included in this category.**

***Minor new source review permit (Minor NSR permit)***– A permit to construct and operate issued under Article 6 (9VAC5-80-1100 et seq.) of 9VAC5 Chapter 80. Minor NSR permits are 1) categorically required; or 2) issued to sources whose uncontrolled emission rate for a regulated criteria pollutant is above exemption thresholds and permitting allowables are below Title V thresholds, and/or 3) issued to sources whose potential to emit for a toxic pollutant is above state toxic exemption thresholds and permitting allowables are below Title V thresholds. The minor NSR permit can be used to establish synthetic minor limits for avoidance of state major, PSD and/or Title V permits. **For purposes of fees, the Minor NSR permit also includes exemption applications and applications for projects at existing sources.**

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

***Minor NSR amendment*** – A change to a permit issued pursuant to Article 6 (9VAC5-80-1100 et seq.) of 9VAC5 Chapter 80. **Only minor amendments and significant amendments are included in this category.**

***Sources subject to Synthetic Minor permitting requirements***– Stationary sources whose potential to emit exceeds the Title V threshold (100 tons per year of a criteria pollutant, 10/25 tpy of HAPs, and/or 100,000 tpy CO2e) but have taken federally enforceable limits, either through a state operating permit or a minor NSR permit, to avoid Title V permit applicability.

***Sources subject to Title V permitting requirements*** *–* Stationary sources that have a potential to emit above the Title V thresholds or are otherwise applicable to the Title V permitting program.

***State major permit*** – A permit to construct and operate issued under Article 6 (9VAC5-80-1100 et seq.) of 9VAC5 Chapter 80. State major permits are for facilities that have an allowable emission rate of more than 100 tons per year, but less than 250 tons per year, of any criteria pollutant and are not listed in the 28 categories under “major stationary source” as defined in [9VAC5-80-1615](https://law.lis.virginia.gov/admincode/title9/agency5/chapter80/section1615/).

***State operating permit (SOP)*** – A permit issued under Article 5 (9VAC5-80-800 et seq.) of 9VAC5 Chapter 80. SOPs are most often used by stationary sources to establish federally enforceable limits on potential to emit to avoid major New Source Review permitting (PSD and Nonattainment permits), Title V permitting, and/or major source MACT applicability. SOPs can also be used to combine multiple permits from a stationary source into one permit or to implement emissions trading requirements. The State Air Pollution Control Board, at its discretion, may also issue SOPs to cap the emissions of a stationary source or emissions unit causing or contributing to a violation of any air quality standard or to establish a source-specific emission standard or other requirement necessary to implement the federal Clean Air Act or the Virginia Air Pollution Control Law.

***SOP permit amendment*** – A change to a permit issued pursuant to Article 5 (9VAC5-80-800 et seq.) of 9VAC5 Chapter 80. **Only minor amendments and significant amendments are included in this category**.

***Title V permit*** – A federal operating permit issued pursuant to Article 1 (9VAC5-80-50 et seq.) or Article 3 (9VAC5-80-360 et seq.) of 9VAC5 Chapter 80. Facilities which (1) have the potential to emit of air pollutants above the major source thresholds, listed in [9VAC5-80-60](https://law.lis.virginia.gov/admincode/title9/agency5/chapter80/section60/) OR (2) are area sources of hazardous air pollutants, not explicitly exempted by EPA OR (3) have the potential to emit over 100,000 tons per year of CO2 equivalent (CO2e) (9VAC5-85 Part IIl), are required to obtain a Title V permit. For purposes of fees, the Title V permit also includes Acid Rain (Article 3) permit applications.

***Title V permit modification*** – A change to a permit issued pursuant to Article 1 (9VAC5-80-50 et seq.) or Article 3 (9VAC5-80-360 et seq.) of 9VAC5 Chapter 80. Only minor modifications and significant modifications are included in this category.

***Title V permit renewal*** – A renewal of a Title V permit pursuant to Article 1 (9VAC5-80-50 et seq.) of 9VAC5 Chapter 80. Title V permits are renewed every 5 years and a renewal application must be submitted to the regional office no sooner than 18 months and no later than 6 months prior to expiration of the Title V permit. For purposes of fees, the Title V permit renewal also includes Acid Rain (Article 3) permit renewal applications.

***True minor source*** – A source that does not have the physical or operational capacity to emit major amounts (even if the source owner and regulatory agency disregard any enforceable limits). For further information regarding the definition of a true minor source, see DEQ’s website.

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

AIR PERMIT APPLICATION CHECKLIST

**APPLICATION FORM PAGES AND NUMBER OF COPIES**

|  |  |  |
| --- | --- | --- |
| **Place a “√”In Boxes Below to Indicate Pages Included with Application Submittal** | **Page Title and Page Number** | **Indicate Number of Copies Included with Application Submittal** |
|  | Local Governing Body Certification Form, Page 5 |  |
|  | Application Fee Form, Page 6 |  |
|  | Application and Attachments Checklist, Page 9 |  |
|  | Document Certification Form, Page 10 |  |
|  | General Information, Pages 11-12 |  |
|  | Fuel Burning Equipment, Page 13 |  |
|  | Stationary Internal Combustion Engines, Page 14 |  |
|  | Incinerators, Page 15 |  |
|  | Processing, Page 16 |  |
|  | Inks, Coatings, Stains, and Adhesives, Page 17 |  |
|  | VOC/Petroleum Storage Tanks, Pages 18-19 |  |
|  | Loading Rack and Oil-Water Separators, Page 20 |  |
|  | Fumigation Operations, Page 21 |  |
|  | Air Pollution Control and Monitoring Equipment, Page 22 |  |
|  | Air Pollution Control/Supplemental Information, Page 23 |  |
|  | Stack Parameters and Fuel Data, Page 24 |  |
|  | Proposed Permit Limits for Criteria Pollutants, Page 25 |  |
|  | Proposed Permit Limits for Toxic Pollutants/HAPs, Page 26 |  |
|  | Proposed Permit Limits for Other Reg. Pollutants, Page 27 |  |
|  | Proposed Permit Limits for GHGs on Mass Basis, Page 28 |  |
|  | Proposed Permit Limits for GHGs on CO2e Basis, Page 29 |  |
|  | BAE for Criteria Pollutants, Page 30 |  |
|  | BAE for GHGs on Mass Basis, Page 31 |  |
|  | BAE for GHGs on CO2e Basis, Page 32 |  |
|  | Operating Periods, Page 33 |  |

**ATTACHMENTS AND NUMBER OF COPIES**

|  |  |  |
| --- | --- | --- |
| **Place a “√”In Boxes Below to Indicate Attachments Included with Application Submittal** | **Attached Document Names**  **(Use Blank Spaces to Write In Names of any Attachments Not Listed Below)** | **Indicate Number of Copies Included with Application Submittal** |
|  | Map of Site Location |  |
|  | Facility Site Plan |  |
|  | Process Flow Diagram/Schematic |  |
|  | MSDS or CPDS Sheets |  |
|  | Estimated Emission Calculations |  |
|  | Stack Tests |  |
|  | Air Modeling Data |  |
|  | Confidential Information (see Instructions) |  |
|  | BACT Analysis |  |
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**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

""


DOCUMENT CERTIFICATION FORM

***I certify under penalty of law that this document and all attachments [as noted above] were prepared under my direction or supervision 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 or persons who manage the system, or those persons directly responsible for gathering and evaluating 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.***

***I certify that I understand that the existence of a permit under [Article 6 of the Regulations] does not shield the source from potential enforcement of any regulation of the board governing the major NSR program and does not relieve the source of the responsibility to comply with any applicable provision of the major NSR regulations.***

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References: Virginia Regulations for the Control and Abatement of Air Pollution

(Regulations), [9VAC5-20-230B](https://law.lis.virginia.gov/admincode/title9/agency5/chapter20/section230/) and [9VAC5-80-1140E](https://law.lis.virginia.gov/admincode/title9/agency5/chapter80/section1140/).

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

GENERAL INFORMATION

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Person Completing Form: | | | Date: | | Registration Number: |
|  | | |  | |  |
| Company and Division Name: | | | | | FIN: |
|  | | | | |  |
| Mailing Address: | | | | | |
|  | | | | | |
| Exact Source Location – Include Name of City (County) and Full Street Address or Directions: | | | | | |
|  | | | | | |
|  | | | | | |
|  | | | | | |
| Facility Phone Number: | No. of Employees: | | | Property Area at Site: | |
|  |  | | |  | |
| Person to Contact on Air Pollution Matters – Name and Title: | | Contact Phone Number: | | | |
|  | |  | | | |
| Name: | | Contact Email: | | | |
|  | |  | | | |
| Title: | | Contact Fax: | | | |
| Latitude and Longitude Coordinates **OR** UTM Coordinates of Facility: | | | | | |
|  | | | | | |

**Reason(s) for Submission (Check all that apply):**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | State Operating Permit | | | | This permit is applied for pursuant to provisions of the Virginia | | | | | | | | | | | |
|  | | | | | | Administrative Code, 9 VAC 5 Chapter 80, Article 5 (SOP) | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
|  |  | New Source | | | | This permit is applied for pursuant to the following provisions of the | | | | | | | | | | | |
|  | | | | | | Virginia Administrative Code: | | | | | | | | | | | |
|  |  | Modification of a Source | | | |  | |  | | 9 VAC 5 Chapter 80, Article 6 (Minor Sources) | | | | | | | |
|  | | | | | |  | |  | | 9 VAC 5 Chapter 80, Article 8 (PSD Major Sources) | | | | | | | |
|  |  | Relocation of a Source | | | |  | |  | | 9 VAC 5 Chapter 80, Article 9 (Non-Attainment Major Sources) | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
|  |  | Amendment to a Permit Dated: | | | | |  | | | | Permit Type: |  | SOP (Art. 5) | | |  | NSR (Art. 6, 8, 9) |
|  | | | | | | | | | | | | | | | | | |
|  | | Amendment Type: | | | This amendment is requested pursuant to the provisions of: | | | | | | | | | | | | |
|  | |  | Administrative Amendment | |  | |  | | 9 VAC 5-80-970 (Art. 5 Adm.) | | | | |  | 9 VAC 5-80-1935 (Art. 8 Adm.) | | |
|  | |  | Minor Amendment | |  | |  | | 9 VAC 5-80-980 (Art. 5 Minor) | | | | |  | 9 VAC 5-80-1945 (Art. 8 Minor) | | |
|  | |  | Significant Amendment | |  | |  | | 9 VAC 5-80-990 (Art. 5 Sig.) | | | | |  | 9 VAC 5-80-1955 (Art. 8 Sig.) | | |
|  | |  |  | |  | |  | |  | | | | |  |  | | |
|  | |  |  | |  | |  | | 9 VAC 5-80-1270 (Art. 6 Adm.) | | | | |  | 9 VAC 5-80-2210 (Art. 9 Adm.) | | |
|  | |  |  | |  | |  | | 9 VAC 5-80-1280 (Art. 6 Minor) | | | | |  | 9 VAC 5-80-2220 (Art. 9 Minor) | | |
|  | |  |  | |  | |  | | 9 VAC 5-80-1290 (Art. 6 Sig.) | | | | |  | 9 VAC 5-80-2230 (Art. 9 Sig.) | | |
|  | | | | | | | | | | | | | | | | | |
|  |  | Other (specify): | |  | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |

**Explanation of Permit Request (attach documents if needed):**

|  |
| --- |
|  |

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

**GENERAL INFORMATION (CONTINUED)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **For Portable Plants:** | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | |
| Is this facility designed to be portable? | |  | | Yes | |  | No | | | | | | | |
|  | | | | | | | | | | | | | | |
| * If yes, is this facility already permitted as a portable plant? | |  | | Yes | |  | No | Permit Date: | | | |  | | |
|  | | | | | | | | | | | | | | |
| If not permitted, is this an application to be permitted as a portable plant? | | | | | |  | Yes |  | No | | | | | |
|  | | | | | | | | | | | | | | |
| If permitted as a portable facility, is this a notification of relocation? | | | | | |  | Yes |  | No | | | | | |
|  | | | | | | | | | | | | | | |
| * Describe the new location or address (include a site map): | |  | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | |
| * Will the portable facility be co-located with another source? | | |  | | Yes |  | No | Reg. No. | | | |  | | |
|  | | | | | | | | | | | | | | |
| * Will the portable facility be modified or reconstructed as a result of the relocation? | | | | | | | | | |  | Yes | |  | No |
|  | | | | | | | | | | | | | | |
| * Will there be any new emissions other than those associated with the relocation? | | | | | | | | | |  | Yes | |  | No |
|  | | | | | | | | | | | | | | |
| * Is the facility suitable for the area to which it will be located? (attach documentation) | | | | | | | | | |  | Yes | |  | No |
|  | | | | | | | | | | | | | | |

**Describe the products manufactured and/or services performed at this facility:**

|  |
| --- |
|  |

**List the Standard Industrial Classification (SIC) Code(s) for the facility:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**List the North American Industry Classification System (NAICS) Code(s) for the facility:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**List all the facilities in Virginia under common ownership or control by the owner of this facility:**

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**Milestones:** This section is to be completed if the permit application includes a new emissions unit or modification to existing operations.

|  |  |  |
| --- | --- | --- |
| **Milestones\*:** | **Starting Date:** | **Estimated Completion Date:** |
| New Equipment Installation |  |  |
| Modification of Existing Process or Equipment |  |  |
| Start-up Dates |  |  |

\*For new or modified installations to be constructed in phased schedule, give construction/installation starting and completion date for each phase.

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

FUEL BURNING EQUIPMENT: (Boilers, Turbines, Kilns, and Other External Combustion Units)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit Ref. No.** | **Equipment Manufacturer, Type, and Model Number** | **Date of Manuf.** | **Date of Const.** | **Max. Rated Input Heat Capacity For Each Fuel**  **(Million Btu/hr)** | **Type of Fuel** | **Type of Equip. (use Code A)** | **Usage (use Code B)** | **Requested Throughput\***  **(hrs/yr OR fuel/yr)** | **Federal Regulations that Apply** |
|  |  |  |  |  |  |  |  |  |  |
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| --- | --- |
|  | Estimated Emission Calculations Attached (include references of emission factors) and/or Stack Test Results if Available |

|  |  |  |
| --- | --- | --- |
| **Code A – Equipment** | | **Code B - Usage** |
| BOILER TYPE: | 11. Gas, Tangentially Fired | 1. Steam Production |
| 1. Pulverized Coal - Wet Bottom | 12. Gas, Horizontally Fired | 2. Drying / Curing |
| 1. Pulverized Coal - Dry Bottom | 13. Wood with Flyash Reinjection | 3. Space Heating |
| 1. Pulverized Coal - Cyclone Furnace | 14. Wood without Flyash Reinjection | 4. Process Heat |
| 1. Circulating Fluidized Bed | 15. Other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 5. Food Processing |
| 1. Spreader Stoke |  | 6. Electrical Generation |
| 1. Chain or Travelling Grate Stoker | OTHER COMBUSTION UNITS: | 7. Mechanical Work |
| 1. Underfeed Stoker | 16. Oven / Kiln | 8. Other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Hand Fired Coal | 17. Rotary Kiln |  |
| 1. Oil, Tangentially Fired | 18. Process Furnace |  |
| 1. Oil, Horizontally Fired (except rotary cup) | 19. Other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |

**\*Pick only one option for a requested throughput.**

**NOTE: Dryers, kilns, and furnaces also must fill out** [**Page 16**](#SurfaceCoating)**, Processing, Manufacturing, Surface Coating and Degreasing Operations.**

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

STATIONARY INTERNAL COMBUSTION ENGINES:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit Ref. No.** | **Equipment Manufacturer, Type, and Model Number** | **Date of Manuf.** | **Date of Const.** | **Output Brake Horsepower (bhp)** | **Output**  **Electrical Power**  **(kW)** | **Type of Fuel** | **Usage\* (use Code C)** | **Requested Throughput\*\***  **(hrs/yr OR fuel/yr)** | **Federal Regulations that Apply** |
|  |  |  |  |  |  |  |  |  |  |
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|  | Estimated Emission Calculations Attached (include references of emission factors and manufacturer specifications per engine) and/or Stack Test Results if Available. |

|  |
| --- |
| **Code C – Usage** |
| 1. Emergency Generator |
| 2. Participates in Emergency Load Response Program |
| 3. Non-Emergency Generator |
| 4. Participates in Demand Response Program(s) |
| 5. Other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |
| **\*Can pick more than one option** |
| (i.e. 1 and 2 **OR** 3 and 4) |
|  |

**\*\*Pick only one option for a requested throughput.**

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

LIQUID AND/OR SOLID WASTE INCINERATORS: (NOT AN AIR EMISSIONS CONTROL DEVICE)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit Ref. No.** | **Equipment Manufacturer, Type, and Model Number** | **Date of Manuf.** | **Date of Const.** | **Incin. Max. Rated Capacity (lbs/hr)** | **Burner Rated Capacity (Btu/hr)** | | **Minimum Chamber Temp.**  **(oF)** | | **Requested Throughput to be Incinerated** | | **Incin. Type (use Code D)** | **Waste Type (use Code E)** | **Min. Secondary Chamber Retention Time**  **(sec)** | **Burn Down Cycle Time (hrs)** | **Federal Regulations that Apply** |
| **Pri.** | **Sec.** | **Pri.** | **Sec.** | **Lbs**  **hr** | **Tons**  **yr** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | Estimated Emission Calculations Attached (include references of emission factors) and/or Stack Test Results if Available |

|  |  |
| --- | --- |
| **Code D – Incinerator Type** | **Code E – Waste Type** |
| 1. Rotary Kiln | 1. Paper Waste |
| 1. Mass Burn/Refuse Derived Fuel | 2. Hospital Waste |
| 1. Crematory | 3. Medical Waste |
| 1. Single Chamber | 4. Municipal Waste |
| 1. Multiple Chamber | 5. Animal Waste |
| 1. Other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 6. Crematory Waste (Human Remains) |
|  | 7. Industrial Waste |
|  | 8. Other (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |  |
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**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

PROCESSING, MANUFACTURING, SURFACE COATING AND DEGREASING OPERATIONS:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit Ref. No.** | **Process or Operation Name** | **Equipment Manufacturer, Type, and Model Number** | **Date of Manuf.** | **Date of Const.** | **Max. Rated Capacity (\_\_\_\_\_/hr)\*** | **Requested Throughput\*** | | | **Federal Regulations that Apply** |
| **(\_\_\_\_\_/hr)** | **(\_\_\_\_\_/day)** | **(\_\_\_\_\_/yr)** |
|  |  |  |  |  |  |  |  |  |  |
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|  | Estimated Emission Calculations Attached (include references of emission factors) and/or Stack Test Results if Available |

**\* Specify units for each operation in tons, pounds, gallons, etc., as applicable. For coating operations, the maximum rated capacity is the spray gun capacity.**

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

INKS, COATINGS, STAINS, AND ADHESIVES:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit Ref. No.** | **Coating Material (specify)** | **Coating Use (use Code F)** | **Lbs VOC in Coating as Applied** | | | **VOC Control Method (use Code G)** | **Solids Transfer Efficiency (%)** | **Coating Density as Applied (lbs/gal)** | **Maximum Coating Usage as Applied** | |
| **Per gal coating** | **Per gal coating less water & exempt solvent** | **Per gal solids** | **(Gal/hr)** | **(Gal/yr)** |
|  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Hazardous Air Pollutants (HAPs)** | **Lbs HAP/gal coating as applied** | **Hazardous Air Pollutants (HAPs)** | **Lbs HAP/gal coating as applied** |
| **CAS #:**  **HAP Name:** |  | **CAS #:**  **HAP Name:** |  |
| **CAS #:**  **HAP Name:** |  | **CAS #:**  **HAP Name:** |  |
| **CAS #:**  **HAP Name:** |  | **CAS #:**  **HAP Name:** |  |

|  |  |
| --- | --- |
|  | Estimated Emission Calculations Attached (include references of emission factors and MSDS or CPDS for each coating) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Code F – Coating Use** |  |  | **Code G – VOC Control Method** |
|  |  |  |  |
| 1. Large Appliance Coatings | b. Internal body/external ends | d. Other coatings | 1. Low-VOC Coatings |
| 2. Magnet Wire Coatings | c. 3-piece Can, side seam | 15. Flatwood Paneling Coatings | a. High-Solids Coatings |
| 3. Auto and Light Duty Truck Coatings | d. End seals | a. Printed Hardwood/Particleboard | b. Low-Solvent Coatings |
| 1. Prime Coat | 7. Metal Coil Coating | b. Natural finish Hardwood/Plywood | c. Waterborne Coatings |
| 1. Guidecoat | 8. Non-Printing Paper/Fabric Coating | c. Class II Hardboard | d. Powder Coatings |
| 1. Topcoat | 9. Publication Printing Inks and Coatings | 16. Paper and other Webs | e. UV Light/Electron Beam Cured Coatings |
| 1. Final Repair | 10. Packaging Printing Inks and Coatings | 17. Shipbuilding and Ship Repair Coating | f. Electrodeposited Waterborne Coatings |
| 1. Anti-chip | 11. Vinyl Coatings | 18. Wood Furniture Coating | 2. Increased Solids Transfer Efficiency |
| 1. Anti-chip extreme performance | 12. Metal Furniture Coatings | 19. Flexographic Ink | 3. Carbon Adsorption |
| 1. Anti-chip visible surface | 13. Plastic Parts and Products Coatings | 20. Lithographic Ink | 4. Incineration |
| 4. Aerospace Industries Coating | 14. Miscellaneous Metal Parts Coatings | 21. Rotogravure Ink | 5. Regenerative Thermal Oxidizer (RTO) |
| 5. Magnetic Tape Coating | a. Clear coatings | 22. Adhesives – describe:\_\_\_\_\_\_\_\_\_ | 6. Enclosures - Partial \_\_\_\_\_\_\_ % or |
| 6. Can Coatings | b. Air-dried Coatings | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Capture Efficiency \_\_\_\_\_\_\_\_ % |
| 1. Base/Overvarnish | c. Extreme Performance Coatings | 23. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 7. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**NOTE: Fill out one page for each ink, coating, stain, and adhesive**

**.** **Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

VOLATILE ORGANIC COMPOUND (VOC)/PETROLEUM LIQUID STORAGE TANKS:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit Ref. No.** | **Tank Type (use Code H)** | **Source of Tank Contents (use Code I)** | **Date of Manuf.** | **Date of Const.** | **Material Stored -**  **Name and CAS # (include Reid Vapor Pressure for Gasoline)** | **Max. True Vapor Pressure (psia)** | **Density\* (lbs/gal)** | **Max. Average Storage Temp. (oF)** | **Tank Diameter (feet)** | **Tank Capacity (gal)** | **Requested Throughput (gal/yr)** | **Federal Regulations that Apply** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| --- | --- |
|  | Estimated Emission Calculations Attached (include TANKS Program printouts) |

|  |  |  |
| --- | --- | --- |
| **Code H – Tank Type** |  | **Code I – Source of Tank Contents** |
|  |  |  |
| 1. Fixed Roof | 3. Variable Vapor Space | 1. Pipeline |
| a. Vertical Tank | 4. Pressure Tank (over 15 psig) | 2. Rail Car |
| b. Horizontal Tank | 5. Underground Splash Loading | 3. Tank Truck |
| 2. Floating Roof | 6. Underground Submerged Loading | 4. Ship or Barge |
| a. Internal (welded deck) | 7. Underground Submerged Loading, Balanced | 5. Process |
| b. Internal (bolted deck) – Specify Panel or Sheet | 8. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| c. External (welded deck) |  |  |
| d. External (riveted deck) |  |  |

**\* Specify the ASTM temperature standard at which the density was measured.**

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

**VOLATILE ORGANIC COMPOUND (VOC)/PETROLEUM LIQUID STORAGE TANKS (CONTINUED):**

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| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| **Unit Ref. No.** | **Tank Color** | | **Fixed Roof Only** | | | | | **Floating Roof Only** | | | | |
| **Shell** | **Roof** | **Internal Tank Height or Length**  **(feet)** | **Max. Hourly Filling (gallons)** | **External Fixed Roof** | | | **Seal Type**  **(use Code J)** | **Max. Hourly Withdrawal (gallons)** | **Internal Floating Roof** | | |
| **Type of Roof (cone or dome)** | **Cone height (ft) and slope (ft/ft)** | **Dome height (ft) and radius (ft)** | **Self Supporting?** | **If no,** | |
| **No. of Columns** | **Column Diameter (ft)** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Code J – Seal Type (Pontoon External Only)** | **(Double Deck External Only)** | **(Internal Only)** |
|  |  |  |
| 1. Mechanical Shoe | 4. Mechanical Shoe | 7. Mechanical Shoe |
| a. Primary only | a. Primary only | a. Primary only |
| b. Shoe mounted secondary | b. Shoe mounted secondary | b. Shoe mounted secondary |
| c. Rim mounted secondary | c. Rim mounted secondary | c. Rim mounted secondary |
| 2. Liquid Mounted | 5. Liquid Mounted | 8. Liquid Mounted |
| a. Primary only | a. Primary only | a. Primary only |
| b. Weather shield secondary | b. Weather shield secondary | b. Rim mounted secondary |
| c. Rim mounted secondary | c. Rim mounted secondary | 9. Vapor Mounted |
| 3. Vapor Mounted | 6. Vapor Mounted | a. Primary only |
| a. Primary only | a. Primary only | b. Rim mounted secondary |
| b. Weather shield secondary | b. Weather shield secondary |  |
| c. Rim mounted secondary | c. Rim mounted secondary |  |
|  |  |  |

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

LOADING RACKS AND OIL-WATER SEPARATORS:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| **Unit Ref. No.** | **Name of Product Loaded or Recovered** | **Max. Hourly Throughput**  **(gallons)** | **Requested Annual Throughput**  **(gallons)** | **Loading Racks Only** | | **Oil-Water Separators Only** | **Federal Regulations that Apply** |
| **Type of Loading**  **(use Code K)** | **Hatch Vapor Closure on Loading Arms (use Code L)** | **Type of Enclosure (use Code M)** |
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|  | Estimated Emission Calculations Attached |

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| --- | --- | --- |
| **Code K – Type of Loading** | **Code L – Hatch Vapor Closure** | **Code M – Type of Enclosure** |
|  |  |  |
| 1. Overhead Loading - splash fill, normal service | 1. None, open to air | 1. Open |
| 2. Overhead Loading - submerged fill, normal service | 2. Emco - Wheaton | 2. Partially Open |
| 3. Bottom Loading - normal service | 3. OPW | 3. Floating Roof |
| 4. Overhead Loading - splash fill, balanced service | 4. Chiksan - LTV | 4. Sealed Cover |
| 5. Overhead Loading - submerged fill, balanced service | 5. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| 6. Bottom Loading - Balanced service |  |  |

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

FUMIGATION OPERATIONS:

|  |  |  |  |  |  |
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| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit Ref. No.** | **Object or Product to be Fumigated** | **Containment System** | **Fumigant** | **Max. Daily Fumigant Usage\***  **(lbs/day or g/day)** | **Max. Annual Fumigant Usage\***  **(lbs/yr or g/yr)** | **Estimated Number of Fumigation Events Per Year** | **Aeration Method** | **Distance from Fumigation Operation to Property or Fence Line (feet)** |
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|  | Estimated Emission Calculations Attached |

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| --- | --- |
|  | Fumigation Operation is less than 300 feet to an area occupied by people |

**\* Specify units for each operation in pounds (methyl bromide) or grams (phosphine) per day or year.**

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

AIR POLLUTION CONTROL AND MONITORING EQUIPMENT:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Unit Ref. No.** | **Vent/**  **Stack No.** | **Device Ref. No.** | **Pollutant/Parameter** | **Air Pollution Control Equipment** | | | **Monitoring Instrumentation** |
| **Manufacturer and Model No.** | **Type (use Code N)** | **Percent Efficiency (%)** | **Specify Type, Measured Pollutant, and Recorder Used** |
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|  | Manufacturer Specifications Included |

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| --- | --- | --- |
| **Code N – Type of Air Pollution Control Equipment** |  |  |
|  |  |  |
| 1. Settling Chamber | a. Hot side | 18. Absorber |
| 2. Cyclone | b. Cold side | a. Packed tower |
| 3. Multicyclone | c. High voltage | b. Spray tower |
| 4. Cyclone scrubber | d. Low voltage | c. Tray tower |
| 5. Orifice scrubber | e. Single stage | d. Venturi |
| 6. Mechanical scrubber | f. Two stage | e. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 7. Venturi scrubber | g. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 19. Adsorber |
| a. Fixed throat | 11. Catalytic Afterburner | a. Activated carbon |
| b. Variable throat | 12. Direct Flame Afterburner | b. Molecular sieve |
| 8. Mist eliminator | 13. Diesel Oxidation Catalyst (DOC) | c. Activated alumina |
| 9. Filter  a. Baghouse | 14. Thermal Oxidizer  15. Regenerative Thermal Oxidizer (RTO) | d. Silica gel  e. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| b. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 16. Selective Catalytic Reduction (SCR) | 20. Condenser (specify) |
| 10. Electrostatic Precipitator | 17. Selective Non-Catalytic Reduction (SNCR) | 21. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |  |  |

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

AIR POLLUTION CONTROL EQUIPMENT - SUPPLEMENTAL INFORMATION:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| **Device Ref. No.** | **Type (use Code N)** | **Liquid Flow Rate (gpm)**  **(4, 5, 6, 7, 17 ,19)** | **Liquid Medium**  **(4, 5, 6, 7, 17, 19)** | **Cleaning Method**  **(9, 10, 17, 18)** | **Number of Fields**  **(10)** | **Number of Sections**  **(9, 10)** | **Air to Cloth Ratio (fpm) (9)** | **Filter Material**  **(9)** | **Inlet Temp. (oF)** | **Regeneration Method & Cycle Time (sec)**  **(18)** | **Chamber Temp. (oF)**  **(11, 12, 14, 15)** | **Retention Time (sec)**  **(11, 12, 14, 15)** | **Pressure Drop**  **(inch H2O) (3, 4, 5, 6, 7, 9, 17)** |
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**NOTE: Numbers listed in parenthesis in the columns above represent the Control Equipment in Code N below.**

|  |  |  |
| --- | --- | --- |
| **Code N – Type of Air Pollution Control Equipment** |  |  |
|  |  |  |
| 1. Settling Chamber | a. Hot side | 18. Absorber |
| 2. Cyclone | b. Cold side | a. Packed tower |
| 3. Multicyclone | c. High voltage | b. Spray tower |
| 4. Cyclone scrubber | d. Low voltage | c. Tray tower |
| 5. Orifice scrubber | e. Single stage | d. Venturi |
| 6. Mechanical scrubber | f. Two stage | e. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 7. Venturi scrubber | g. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 19. Adsorber |
| a. Fixed throat | 11. Catalytic Afterburner | a. Activated carbon |
| b. Variable throat | 12. Direct Flame Afterburner | b. Molecular sieve |
| 8. Mist eliminator | 13. Diesel Oxidation Catalyst (DOC) | c. Activated alumina |
| 9. Filter  a. Baghouse | 14. Thermal Oxidizer  15. Regenerative Thermal Oxidizer (RTO) | d. Silica gel  e. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| b. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 16. Selective Catalytic Reduction (SCR) | 20. Condenser (specify) |
| 10. Electrostatic Precipitator | 17. Selective Non-Catalytic Reduction (SNCR) | 21. Other:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |  |  |

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

STACK PARAMETERS AND FUEL DATA:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| **Unit Ref. No.** | **Vent/**  **Stack No.** | **Vent/Stack or Exhaust Data** | | | | | | **Fuel(s) Data** | | | | |
| **Vent/Stack Config.**  **(use Code O)** | **Vent/Stack Height (feet)** | **Exit Diameter (feet)** | **Exit Gas Velocity (ft/sec)** | **Exit Gas Flow Rate (acfm)** | **Exit Gas Temp.**  **(oF)** | **Type of Fuel** | **Heating Value\* (Btu/\_\_\_\_)** | **Max. Rated Burned/hr (specify units)** | **Max. Sulfur %** | **Max. Ash**  **%** |
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| **Code O – Vent/Stack Configuration** |
| 1. Stack discharging downward, or nearly downward |
| 2. Equivalent stack representing a combination of multiple actual stacks |
| 3. Gooseneck stack |
| 4. Stack discharging in a horizontal direction |
| 5. Stack with an unobstructed opening discharge in a vertical direction |
| 6. Vertical stack with a weather cap or similar obstruction in exhaust system |
|  |

**\* Specify units for each heating value in Btus per unit of fuel.**

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

PROPOSED PERMIT LIMITS FOR CRITERIA POLLUTANTS:

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| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| **Unit Ref. No.** | **Proposed Permit Limits for Criteria Pollutants** | | | | | | | | | | | | | | | |
| **PM a**  **(Particulate Matter)** | | **PM-10 a,b**  **(10 μM or smaller particulate matter)** | | **PM 2.5 a,b**  **(2.5 μM or smaller particulate matter)** | | **SO2**  **(Sulfur Dioxide)** | | **NOX**  **(Nitrogen Oxides)** | | **CO**  **(Carbon Monoxide)** | | **VOC a**  **(Volatile Organic Compounds)** | | **Pb**  **(Lead)** | |
| **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** |
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| **TOTAL:** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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|  | Estimated Emission Calculations Attached (totals and per Unit Ref. No.) |

**a PM, PM-10, PM 2.5, and VOC should also be split up by component and reported under the Proposed Permit Limits for Toxic Pollutants/HAPs.**

**b PM-10 and PM 2.5 includes filterable and condensable.**

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

PROPOSED PERMIT LIMITS FOR TOXIC POLLUTANTS/HAPS:

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| **Company Name:** | | |  | | | | | | | **Date:** | |  | | | | **Registration Number:** | | |  | | |
| **Unit Ref. No.** | **Proposed Permit Limits for Toxic/HAP Pollutants\*** | | | | | | | | | | | | | | | | | | | | |
| **HAP Name:**  **CAS #:** | | | **HAP Name:**  **CAS #:** | | **HAP Name:**  **CAS #:** | | **HAP Name:**  **CAS #:** | | | **HAP Name:**  **CAS #:** | | | **HAP Name:**  **CAS #:** | | | **HAP Name:**  **CAS #:** | | | **HAP Name:**  **CAS #:** | |
| **lbs/hr** | **tons/yr** | | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | | **lbs/hr** | | **tons/yr** | **lbs/hr** | **tons/yr** | | **lbs/hr** | **tons/yr** | | **lbs/hr** | **tons/yr** |
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| **TOTAL:** |  |  | |  |  |  |  |  |  | |  | |  |  |  | |  |  | |  |  |

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|  | Estimated Emission Calculations Attached (totals and per Unit Ref. No.) |

**\* Specify the name of the toxic pollutant/HAP for each Unit Ref. No. along with the respective CAS Number**. Toxic Pollutant means a pollutant on the designated list in the Form 7 Instructions document. Particulate matter and volatile organic compounds are not toxic pollutants as generic classes of substances, but individual substances within these classes may be toxic pollutants because their toxic properties or because a TLV (tm) has been established.

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

PROPOSED PERMIT LIMITS FOR OTHER REGULATED POLLUTANTS:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| **Unit Ref. No.** | **Proposed Permit Limits for Other Regulated Pollutants\*** | | | | | | | | | | | | | | | |
| **Pollutant Name:** | | **Pollutant Name:** | | **Pollutant Name:** | | **Pollutant Name:** | | **Pollutant Name:** | | **Pollutant Name:** | | **Pollutant Name:** | | **Pollutant Name:** | |
| **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** |
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| **TOTAL:** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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|  | Estimated Emission Calculations Attached (totals and per Unit Ref. No.) |

**\* Other Regulated Pollutant** include Fluorides, Sulfuric Acid Mist, Hydrogen Sulfide (H2S), Total Reduced Sulfur (including H2S), Reduced Sulfur Compounds (including H2S), Municipal Waste Combustor Organics (measured as total tetra-through octa-chlorinated dibenzo-p-dioxins and dibenzofurans), Municipal Waste Combustor Metals (measured as particulate matter), Municipal Waste Combustor Acid Gases (measured as the sum of SO2 and HCl), and Municipal Solid Waste Landfill Emissions (measured as nonmethane organic compounds).

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

PROPOSED PERMIT LIMITS FOR GREENHOUSE GASES (GHGs) ON MASS BASIS: FOR PSD MAJOR SOURCES ONLY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| **Unit Ref. No.** | **Proposed Permit Limits for GHG Pollutants on Mass Basis** | | | | | | | | | | | | | |
| **CO2**  **(Carbon Dioxide)** | | **N2O**  **(Nitrous Oxide)** | | **CH4**  **(Methane)** | | **HFCs**  **(Hydrofluoro-carbons)** | | **PFCs**  **(Perfluoro-carbons)** | | **SF6**  **(Sulfur Hexafluoride)** | | **Total GHGs** | |
| **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** |
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| **TOTAL:** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| --- | --- |
|  | Estimated Emission Calculations Attached (totals and per Unit Ref. No.) |

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

PROPOSED PERMIT LIMITS FOR GREENHOUSE GASES (GHGs) ON CO2 EQUIVALENT EMISSIONS (CO2e) BASIS: FOR PSD MAJOR SOURCES ONLY

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| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| **Unit Ref. No.** | **Proposed Permit Limits for GHG Pollutants on CO2 Equivalent Basis** | | | | | | | | | | | | | |
| **CO2**  **(Carbon Dioxide)** | | **N2O**  **(Nitrous Oxide)** | | **CH4**  **(Methane)** | | **HFCs**  **(Hydrofluoro-carbons)** | | **PFCs**  **(Perfluoro-carbons)** | | **SF6**  **(Sulfur Hexafluoride)** | | **Total GHGs** | |
| **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** | **lbs/hr** | **tons/yr** |
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| **TOTAL:** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| --- | --- |
|  | Estimated Emission Calculations Attached (totals and per Unit Ref. No.) |

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

BASELINE ACTUAL EMISSIONS (BAE) FOR CRITERIA POLLUTANTS: FOR PSD OR MAJOR NONATTAINMENT SOURCES ONLY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| **Unit Ref. No.** | **Average Actual Annual Emissions to the Atmosphere of Criteria Pollutants for the Period: \_\_\_\_\_\_\_\_\_\_, 20\_\_\_ to \_\_\_\_\_\_\_\_\_\_, 20\_\_\_** | | | | | | | |
| **PM**  **(Particulate Matter)** | **PM-10\***  **(10 μM or smaller particulate matter)** | **PM 2.5\***  **(2.5 μM or smaller particulate matter)** | **SO2**  **(Sulfur Dioxide)** | **NOX**  **(Nitrogen Oxides)** | **CO**  **(Carbon Monoxide)** | **VOC**  **(Volatile Organic Compounds)** | **Pb**  **(Lead)** |
| **tons/yr** | **tons/yr** | **tons/yr** | **tons/yr** | **tons/yr** | **tons/yr** | **tons/yr** | **tons/yr** |
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| **TOTAL:** |  |  |  |  |  |  |  |  |

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| --- | --- |
|  | Background Documentation Attached (totals and per Unit Ref. No.) |

**\* PM-10 and PM 2.5 includes filterable and condensable.**

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

BASELINE ACTUAL EMISSIONS (BAE) FOR GREENHOUSE GASES (GHGs) POLLUTANT EMISSIONS ON MASS BASIS: FOR PSD MAJOR SOURCES ONLY

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| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| **Unit Ref. No.** | **Average Actual Annual Emissions to the Atmosphere of GHGs for the Period: \_\_\_\_\_\_\_\_\_\_, 20\_\_\_ to \_\_\_\_\_\_\_\_\_\_, 20\_\_\_** | | | | | |
| **CO2**  **(Carbon Dioxide)** | **N2O**  **(Nitrous Oxide)** | **CH4**  **(Methane)** | **HFCs**  **(Hydrofluorocarbons)** | **PFCs**  **(Perfluorocarbons)** | **SF6**  **(Sulfur Hexafluoride)** |
| **tons/yr** | **tons/yr** | **tons/yr** | **tons/yr** | **tons/yr** | **tons/yr** |
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| **TOTAL:** |  |  |  |  |  |  |

|  |  |
| --- | --- |
|  | Background Documentation Attached (totals and per Unit Ref. No.) |

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

BASELINE ACTUAL EMISSIONS (BAE) FOR GREENHOUSE GASES (GHGs) POLLUTANT EMISSIONS ON CO2 EQUIVALENT EMISSIONS (CO2e) BASIS: FOR PSD MAJOR SOURCES ONLY

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| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| **Unit Ref. No.** | **Average Actual Annual Emissions to the Atmosphere of GHGs for the Period: \_\_\_\_\_\_\_\_\_\_, 20\_\_\_ to \_\_\_\_\_\_\_\_\_\_, 20\_\_\_** | | | | | |
| **CO2**  **(Carbon Dioxide)** | **N2O**  **(Nitrous Oxide)** | **CH4**  **(Methane)** | **HFCs**  **(Hydrofluorocarbons)** | **PFCs**  **(Perfluorocarbons)** | **SF6**  **(Sulfur Hexafluoride)** |
| **tons/yr** | **tons/yr** | **tons/yr** | **tons/yr** | **tons/yr** | **tons/yr** |
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| **TOTAL:** |  |  |  |  |  |  |

|  |  |
| --- | --- |
|  | Background Documentation Attached (totals and per Unit Ref. No.) |

**Return to** [**“What Pages Do I Fill Out For My Facility?”**](#WhatPagesDoIFillOutForMyFacility)

OPERATING PERIODS:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Company Name:** |  | **Date:** |  | **Registration Number:** |  |

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| **Unit Ref. No.** | **Percent Annual Use/Throughput by Season** | | | | **Normal Process/Equipment Operating Schedule** | | | **Maximum Process/Equipment Operating Schedule** | | |
| **December**  **February** | **March**  **May** | **June**  **August** | **September**  **November** | **Hours per Day** | **Days per Week** | **Weeks per Year** | **Hours per Day** | **Days per Week** | **Weeks per Year** |
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| --- | --- | --- |
| **Maximum Facility Operating Schedule** | | |
| **Hours per Day** | **Days per Week** | **Weeks per Year** |