**CPPU USE ONLY**

**App #:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Doc #:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Program/EI/App Type:**

**Air Engineering/Title V/New**

**Air Engineering/Title V/Renewal**



**New Title V Permit or Renewal of an Existing Title V Permit Application**

Complete this form in accordance with the instructions (DEEP-TV-INST-100) to ensure the proper handling of your application. Print or type unless otherwise noted. You must submit a copy of the published notice of permit application and the completed [*Certification of Notice Form*](https://portal.ct.gov/DEEP/Permits-and-Licenses/Common-Forms#CertificationofNotice) (DEEP-APP-005A) along with this form.

**There is no fee required. [#754]**

This form is to be used for a new Title V permit or the renewal of an existing Title V permit only. Please complete the appropriate form for a revision, minor modification or non-minor modification to an existing Title V permit.

Questions? Visit the [Air Permitting web page](https://portal.ct.gov/DEEP/Air/Permits/Air-Permits) or contact the Air Permitting Engineer of the Day at

[DEEP.BAM.AirPermits@ct.gov](mailto:DEEP.BAM.AirPermits@ct.gov) or 860-424-4152.

|  |  |  |  |
| --- | --- | --- | --- |
| **Applicant Name:** |  | **Town Where Site is Located:** |  |

# Part I: Application Information

Check the appropriate boxes below and provide requested information.

|  |  |  |
| --- | --- | --- |
| **This Application is for:  (check one)** | A *New* Title V Permit  A *Renewal* of an Existing Title V Permit:  Existing Town-Permit Number:  Existing Permit Expiration Date: | |
| **Did the Applicant attend a Pre-Application Meeting with DEEP air staff?** | No  Yes, Pre-Application Meeting:  Date of Meeting:  Air Staff Name(s): | |
| **Date of Publication of Public Notice**  The public notice of application must be published ***prior*** to submitting an application, as required in CGS section 22a-6g. A copy of the public notice of application and the completed [*Certification of Notice Form*](https://portal.ct.gov/-/media/DEEP/Permits_and_Licenses/Common_Forms/publicnoticeapppdf.pdf) (DEEP-APP-005A) must be included as Attachment AA to this application. Your application will ***not*** be processed if Attachment AA is not included. | |  |

**Part II: Applicant Information**

* ***\*****If an applicant is a corporation, limited liability company, limited partnership, limited liability partnership, or a statutory trust, it must be registered with the Secretary of State. If applicable, the applicant’s name shall be stated* ***exactly*** *as it is registered with the Secretary of State. Please note, for those entities registered with the Secretary of State, the registered name will be the name used by DEEP. This information can be accessed at the Secretary of State's Records Search.* (<https://service.ct.gov/business/s/onlinebusinesssearch>)
* *If an applicant is an individual, provide the legal name (include suffix) in the following format: First Name; Middle Initial; Last Name; Suffix (Jr, Sr., II, III, etc.).*
* *If there are any changes or corrections to your company/facility or individual mailing or billing address or contact information, please complete and submit the* [*Request to Change Company/Individual Information*](https://portal.ct.gov/-/media/DEEP/Permits_and_Licenses/Common_Forms/infochangeCPPUdoc.doc) *to the address indicated on the form. If there is a change in name of the entity holding a DEEP license or a change in ownership, contact the Office of Planning and Program Development (OPPD) at* [*DEEP.OPPD@ct.gov*](mailto:DEEP.OPPD@ct.gov) *or 860-424-3003. For any other changes you must contact the specific program from which you hold a current DEEP license.*

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1. APPLICANT INFORMATION** | | | | | | | | |
| **Applicant Name** |  | | | | | | | |
| **Mailing Address** |  | | | | | | | |
| **City/Town** |  | | | **State** |  | | **Zip Code** |  |
| **Business Phone No.** |  | | | **Extension No.** | |  | | |
| **Contact Person** |  | | | | | | | |
| **Title** |  | | | | | | | |
| **Email** |  | | | | | | | |
| By providing this e-mail address you are agreeing to receive official correspondence from DEEP, at this electronic address, concerning the subject application. Please remember to check your security settings to be sure you can receive e-mails from “ct.gov” addresses. Also, please notify DEEP if your e-mail address changes. | | | | | | | |
| **Applicant Type** | **business entity  municipality  individual**  **federal agency  state agency  tribal** | | | | | | | |
| **If a business entity:** | **Business Type** | corporation  limited liability company  limited partnership  limited liability partnership  statutory trust  Other: | | | | | |
| **Secretary of the State business ID No.** | Check here if your business is **NOT** registered with the Secretary of State’s office. | | | | | |
| *This information can be accessed at the Secretary of State's Records Search.* (<https://service.ct.gov/business/s/onlinebusinesssearch>) | | | | | | |
| **Applicant's interest in property at which the proposed activity is to be located** | site owner  option holder  lessee  easement holder  Other: | | | | | | | |
| **Are there co-applicants?** | Yes  No  If “Yes”, attach additional sheet(s) with the required information as above. | | | | | | | |

## Part II: Applicant Information (continued)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **2. BILLING CONTACT (If different than the applicant)** | | | | | | |
| **Name** |  | | | | | |
| **Mailing Address** |  | | | | | |
| **City/Town** |  | **State** |  | | **Zip Code** |  |
| **Contact Person** |  | | | | | |
| **Business Phone No.** |  | **Extension No.** | |  | | |
| **Email** |  | | | | | |
| **3. PRIMARY CONTACT FOR DEPARTMENTAL CORRESPONDENCE AND INQUIRIES (if different than the applicant)** | | | | | | |
| **Name** |  | | | | | |
| **Title** |  | | | | | |
| **Company/Individual Name** |  | | | | | |
| **Mailing Address** |  | | | | | |
| **City/Town** |  | **State** |  | | **Zip Code** |  |
| **Business Phone No.** |  | **Extension No.** | |  | | |
| **Email** |  | | | | | |
| **4. SITE OR FACILITY OWNER (If different than the applicant)** | | | | | | |
| **Name** | Check one:  equipment owner  equipment operator | | | | | |
| **Title** |  | | | | | |
| **Company/Individual Name** |  | | | | | |
| **Mailing Address** |  | | | | | |
| **City/Town** |  | **State** |  | | **Zip Code** |  |
| **Business Phone No.** |  | **Extension No.** | |  | | |
| **Email** |  | | | | | |
| **5. ENGINEER(s) OR CONSULTANT(s) EMPLOYED OR RETAINED TO ASSIST IN PREPARING THIS APPLICATION   (If different than the applicant)** | | | | | | |
| **Name** |  | | | | | |
| **Title** |  | | | | | |
| **Company/Individual Name** |  | | | | | |
| **Mailing Address** |  | | | | | |
| **City/Town** |  | **State** |  | | **Zip Code** |  |
| **Business Phone No.** |  | **Extension No.** | |  | | |
| **Email** |  | | | | | |
| **Service Provided** |  | | | | | |

## Part II: Applicant Information (continued)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **6. AUHTORIZED REPRESENTATIVE SIGNING THIS APPLICATION** | | | | | | |
| **Name** |  | | | | | |
| **Title** |  | | | | | |
| **Company/Individual Name** |  | | | | | |
| **Mailing Address** |  | | | | | |
| **City/Town** |  | **State** |  | | **Zip Code** |  |
| **Business Phone No.** |  | **Extension No.** | |  | | |
| **Email** |  | | | | | |
| **Effective Date of Authorization** |  | | | | | |

## Check here if additional sheets are necessary. Label and attach them to this sheet.

**Part III: Site Information**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **1. SITE NAME AND LOCATION** | | | | | | |
| **Name of Site** |  | | | | | |
| **Street Address or Location Description** |  | | | | | |
| **City/Town** |  | | **State** |  | **Zip Code** |  |
| **2. AIR QUALITY STATUS** | | | | | | |
| **Indicate the air quality status of the area in which the premises is or will be located.** | | Ozone:  Severe Non-Attainment  Serious Non-Attainment | | | | |
| **3. MAJOR STATIONARY SOURCE** | | | | | | |
| **Is the premises a major stationary source?** | | Yes  No  If yes, indicate the pollutant(s), if any, for which the premises exceeds the major stationary source threshold:  PM  PM10  PM2.5  SO2  NOx  CO  VOC  Pb  CO2  HAPs | | | | |
| **4. SIC CODES** | | Primary Secondary  Other  Other | | | | |
| **5. NAICS CODE** | |  | | | | |

# Part IV: Checklists for Applicable Requirements

The following pages contain applicable requirements checklists. They are included to help the applicant identify applicable requirements which include the State Implementation Plan (SIP), Federal Implementation Plan (FIP), 40 Code of Federal Regulations (CFR) 51, 52, 59, 60, 61, 62, 63, 64, 68, 70, 72-80, and 82.

SIP: Subsections of the Regulations of Connecticut State Agencies (RCSA) may be federally enforceable to the extent that such subsections are included in the SIP and are identical to the SIP.

##### RCSA Section 22a-174

Indicate which subsections of RCSA section 22a-174 are applicable by checking the appropriate box. If you checked non-applicable (N/A), you must provide the reason in the “Why” column. Refer to the instructions for the appropriate letter code. See [DEEP Air Regulations](https://portal.ct.gov/DEEP/Air/Planning/Regulations/Air-Regulations).

| **Title of RCSA Subsection 22a-174** | **Date of Last Revision** | **Apply** | **N/A** | **Why** |
| --- | --- | --- | --- | --- |
| 1. Definitions | 03/05/21 |  |  |  |
| 2a. Procedural requirements for New Source Review and Title V permitting | 11/18/21 |  |  |  |
| 3a. Permit to Construct and Operate Stationary Sources | 03/05/21 |  |  |  |
| 3b. Exemptions from permitting for construction and operation of external combustion units, automotive refinishing operations, emergency engines, nonmetallic mineral processing equipment and surface coating operations | 12/22/16 |  |  |  |
| 3c. Limitations on potential to emit for external combustion units, emergency engines, automotive refinishing operations, nonmetallic mineral processing equipment and surface coating operations | 04/06/16 |  |  |  |
| 3d. Permit-by-Rule for Combined Heat-and-Power Systems | 10/28/22 |  |  |  |
| 4a. Source monitoring, record keeping and reporting | 10/28/22 |  |  |  |
| 5. Methods for sampling, emission testing, sample analysis, and reporting | 04/15/14 |  |  |  |
| 6. Air pollution emergency episode procedures | 07/07/93 |  |  |  |
| 7. Air pollution control equipment and monitoring equipment operation | 04/01/04 |  |  |  |
| 8. Compliance plans and schedules | 12/22/16 |  |  |  |
| 9. Prohibition of air pollution | 11/29/83 |  |  |  |
| 10. Public availability of information | 08/01/83 |  |  |  |
| 11. Prohibition against concealment or circumvention | 08/01/83 |  |  |  |
| 12. Violations and enforcement | 08/01/83 |  |  |  |
| 13. Variances | 08/01/83 |  |  |  |
| 14. Compliance with regulation no defense to nuisance claim | 08/01/83 |  |  |  |
| 15. Severability | 08/01/83 |  |  |  |
| 16. Responsibility to comply with applicable regulations | 08/01/83 |  |  |  |
| 18. Control of particulate matter and visible emissions | 08/03/18 |  |  |  |
| 19. Control of sulfur compound emissions | 04/15/14 |  |  |  |
| 19a. Control of sulfur dioxide emissions from power plants and other large stationary sources of air pollution | 04/15/14 |  |  |  |
| 19b. Fuel sulfur content limitations for stationary sources | 04/15/14 |  |  |  |
| 20. Control of organic compound emissions | 10/28/22 |  |  |  |
| 22c. The Clean Air Interstate Rule (CAIR) Nitrogen Oxides (NOx) Ozone Season Trading Program | 12/22/16 |  |  |  |
| 22e. Control of nitrogen oxides emissions from fuel-burning equipment at major sources of nitrogen oxides | 10/28/22 |  |  |  |
| 22f. High daily NOx emitting units at non-major sources of NOx | 12/22/16 |  |  |  |
| 23. Control of odors | 04/04/06 |  |  |  |
| 24. Connecticut primary and secondary ambient air quality standards | 04/15/14 |  |  |  |
| 26. Fees | 11/18/20 |  |  |  |
| 27. Emission standards and on-board diagnostic II test requirements for periodic motor vehicle inspection and maintenance | 08/10/09 |  |  |  |
| 28. Oxygenated gasoline | 04/15/14 |  |  |  |
| 29. Hazardous air pollutants | 04/06/16 |  |  |  |
| 30a. Stage I Vapor Recovery | 07/08/15 |  |  |  |
| 31. Control of carbon dioxides emissions | 10/04/19 |  |  |  |
| 31a. Greenhouse gas emission offset projects | 7/23/08 |  |  |  |
| 32. Reasonably available control technology (RACT) for organic compounds | 07/08/15 |  |  |  |
| 33. Title V sources | 02/08/18 |  |  |  |
| 33a. Limit on Premises-Wide Actual Emissions Below 50%of Title V Source Thresholds | 09/24/20 |  |  |  |
| 33b. Limit on Premises-Wide Actual Emissions Below 80%of Title V Source Thresholds | 09/24/20 |  |  |  |
| 36. Low emission vehicles | 12/03/04 |  |  |  |
| 36b.Low emission vehicles II program | 08/01/13 |  |  |  |
| 36c.Low Emission Vehicles III Program | 12/20/18 |  |  |  |
| 38. Municipal waste combustors | 10/28/22 |  |  |  |
| 40. Consumer Products | 10/05/17 |  |  |  |
| 41. Architectural and industrial maintenance coatings - phase 1 | 10/05/17 |  |  |  |
| 41a.Architectural and industrial maintenance coatings - phase 2 | 10/05/17 |  |  |  |
| 42. Distributed generators | 12/22/16 |  |  |  |
| 44. Adhesives and sealants | 10/03/08 |  |  |  |
| 200. Deactivation of air pollution control systems or mechanisms from motor vehicles | 08/01/83 |  |  |  |

##### 40 CFR Part 59 – National Volatile Organic Compound Emission Standards for Consumer and Commercial Products

Indicate which 40 CFR Part 59 Subparts are applicable by checking the appropriate box. If you checked non-applicable (N/A), you must provide the reason in the “Why” column. Refer to the instructions for the appropriate letter code. See [40 CFR Part 59](https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-59?toc=1).

| **Product Categories Subject to Federal Standards** | **40 CFR Part 59 Subpart** | **Apply** | **N/A** | **Why** |
| --- | --- | --- | --- | --- |
| Automobile Refinish Coatings | B |  |  |  |
| Consumer Products | C |  |  |  |
| Architectural Coatings | D |  |  |  |
| Aerosol Coatings | E |  |  |  |
| New and In-Use Portable Fuel Containers | F |  |  |  |

##### 40 CFR Part 60 – Standards of Performance for New Stationary Sources

Indicate which 40 CFR Part 60 Subparts are applicable by checking the appropriate box. If you checked non-applicable (N/A), you must provide the reason in the “Why” column. Refer to the instructions for the appropriate letter code. See [40 CFR Part 60](https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60?toc=1).

| **Source Categories Subject to Federal Performance Standards** | **40 CFR Part 60 Subpart** | **Apply** | **N/A** | **Why** |
| --- | --- | --- | --- | --- |
| Large Municipal Waste Combustors, constructed ≤ 9/20/94 | Cb |  |  |  |
| Municipal Solid Waste Landfills | Cc |  |  |  |
| Sulfuric Acid Production Units | Cd |  |  |  |
| Hospital/Medical/Infectious Waste Incinerators | Ce |  |  |  |
| Municipal Solid Waste Landfills | Cf |  |  |  |
| Fossil-Fuel-Fired Steam Generators | D |  |  |  |
| Electric Utility Steam Generating Units | Da |  |  |  |
| Industrial-Commercial-Institutional Steam Generating Units > 100MMBtu | Db |  |  |  |
| Small Industrial-Commercial-Institutional Steam Generating Units >10MMBtu but < 100MMBtu | Dc |  |  |  |
| Incinerators | E |  |  |  |
| Municipal Waste Combustors, constructed > 12/20/89, ≤ 9/20/94 | Ea |  |  |  |
| Large Municipal Waste Combustors, constructed > 9/20/94, modification or reconstruction > 6/19/96 | Eb |  |  |  |
| Hospital/Medical/Infectious Waste Incinerators, constructed > 6/20/96 | Ec |  |  |  |
| Portland Cement Plants | F |  |  |  |
| Nitric Acid Plants | G, Ga |  |  |  |
| Sulfuric Acid Plants | H |  |  |  |
| Hot Mix Asphalt Facilities | I |  |  |  |
| Petroleum Refineries | J |  |  |  |
| Petroleum Refineries, constructed, reconstructed or modified > 5/14/2007 | Ja |  |  |  |
| Storage Vessels for Petroleum Liquids constructed, reconstructed or modified > 6/11/73 and before 5/19/78 | K |  |  |  |
| Storage Vessels for Petroleum Liquids constructed, reconstructed or modified > 5/18/78 and before 7/23/84 | Ka |  |  |  |
| Volatile Organic Liquid Storage Vessels (Including Petroleum Liquids) constructed, reconstructed or modified > 7/23/84 | Kb |  |  |  |
| Secondary Lead Smelters | L |  |  |  |
| Secondary Brass and Bronze Production Plants | M |  |  |  |
| Basic Oxygen Process Furnaces, Primary Emissions, constructed > 6/11/73 | N |  |  |  |
| Basic Oxygen Process Steelmaking Facilities, Secondary Emissions, constructed >1/20/83 | Na |  |  |  |
| Sewage Treatment Plants | O |  |  |  |
| Primary Copper Smelters | P |  |  |  |
| Primary Zinc Smelters | Q |  |  |  |
| Primary Lead Smelters | R |  |  |  |
| Primary Aluminum Reduction Plants | S |  |  |  |
| Phosphate Fertilizer Industry | T, U, V, W, X |  |  |  |
| Coal Preparation and Processing Plants | Y |  |  |  |
| Ferroalloy Production Facilities | Z |  |  |  |
| Steel Plants | AA, AAa |  |  |  |
| Kraft Pulp Mills | BB, BBa |  |  |  |
| Glass Manufacturing Plants | CC |  |  |  |
| Grain Elevators | DD |  |  |  |
| Surface Coating of Metal Furniture | EE |  |  |  |
| Stationary Gas Turbines | GG |  |  |  |
| Lime Manufacturing Plants | HH |  |  |  |
| Lead-Acid Battery Manufacturing Plants | KK, KKa |  |  |  |
| Metallic Mineral Processing Plants | LL |  |  |  |
| Automobile and Light-Duty Truck Surface Coating Operations | MM, MMa |  |  |  |
| Phosphate Rock Plants | NN |  |  |  |
| Ammonium Sulfate Manufacture | PP |  |  |  |
| Graphic Arts Industry: Publication Rotogravure Printing | QQ |  |  |  |
| Pressure Sensitive Tape and Label Surface Coating Operations | RR |  |  |  |
| Industrial Surface Coating: Large Appliances | SS |  |  |  |
| Metal Coil Surface Coating | TT |  |  |  |
| Asphalt Processing and Asphalt Roofing Manufacture | UU |  |  |  |
| Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry constructed, reconstructed or modified > 1/5/81 and before 11/7/06 | VV |  |  |  |
| Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry constructed, reconstructed or modified > 11/7/06 | VVa |  |  |  |
| Beverage Can Surface Coating Industry | WW |  |  |  |
| Bulk Gasoline Terminals | XX |  |  |  |
| New Residential Wood Heaters **\*** | AAA\* |  |  |  |
| Rubber Tire Manufacturing Industry | BBB |  |  |  |
| VOC Emissions from the Polymer Manufacturing Industry | DDD |  |  |  |
| Flexible Vinyl and Urethane Coating and Printing | FFF |  |  |  |
| Equipment Leaks of VOC in Petroleum Refineries | GGG, GGGa |  |  |  |
| Synthetic Fiber Production Facilities | HHH |  |  |  |
| VOC Emissions from the Synthetic Organic Chemical Manufacturing Industry Air Oxidation Unit Processes | III |  |  |  |
| Petroleum Dry Cleaners | JJJ |  |  |  |
| Equipment Leaks of VOC from Onshore Natural Gas Processing Plants | KKK |  |  |  |
| Onshore Natural Gas Processing, SO2 Emissions | LLL |  |  |  |
| VOC Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations | NNN |  |  |  |
| Nonmetallic Mineral Processing Plants (Including Sand and Gravel Processing) | OOO |  |  |  |
| Wool Fiberglass Insulation Manufacturing Plants | PPP |  |  |  |
| VOC Emissions from Petroleum Refinery Wastewater Systems | QQQ |  |  |  |
| VOC Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes | RRR |  |  |  |
| Magnetic Tape Coating Facilities | SSS |  |  |  |
| Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines | TTT, TTTa |  |  |  |
| Calciners and Dryers in Mineral Industries | UUU |  |  |  |
| Polymeric Coating of Supporting Substrates Facilities | VVV |  |  |  |
| Municipal Solid Waste Landfills, constructed modified or reconstructed after 5/30/91 but before 7/18/14 | WWW |  |  |  |
| Municipal Solid Waste Landfills, constructed modified or reconstructed after 7/17/14 | XXX |  |  |  |
| Small Municipal Waste Combustion Units, constructed after 8/30/99 or modified or reconstructed after 6/6/2001 | AAAA |  |  |  |
| Small Municipal Waste Combustion Units, constructed before 8/30/99 | BBBB |  |  |  |
| Commercial and Industrial Solid Waste Incineration Units, constructed > 11/30/99 or modified or reconstructed ≥ 6/1/2001 | CCCC |  |  |  |
| Commercial and Industrial Solid Waste Incineration Units, constructed ≤ 11/30/99 | DDDD |  |  |  |
| Other Solid Waste Incinerator Units, constructed > 12/9/2004, or modified or reconstructed ≥ 6/16/2006 | EEEE |  |  |  |
| Other Solid Waste Incinerator Units, constructed ≤ 12/9/2004 | FFFF |  |  |  |
| Stationary Compression Ignition Internal Combustion Engines | IIII |  |  |  |
| Stationary Spark Ignition Internal Combustion Engines | JJJJ |  |  |  |
| Stationary Combustion Turbines | KKKK |  |  |  |
| New Sewage Sludge Incineration Units | LLLL |  |  |  |
| Existing Sewage Sludge Incineration Units | MMMM |  |  |  |
| Crude Oil and Natural Gas Facilities constructed, modified or reconstructed after 8/23/11 and on or before 9/18/15 | OOOO |  |  |  |
| Crude Oil and Natural Gas Facilities constructed, modified or reconstructed after 9/18/15 | OOOOa |  |  |  |
| New Residential Hydronic Heaters and Forced-Air Furnaces | QQQQ |  |  |  |
| Greenhouse Gas Emissions for Electric Generating Units | TTTT |  |  |  |
| Greenhouse Gas Emissions from Existing Electric Utility Generating Units | UUUUa |  |  |  |
| Other: |  |  |  |  |
| Other: |  |  |  |  |
| Other: |  |  |  |  |
| Other: |  |  |  |  |

**\*** According to RCSA section 22a-174-33(c)(2)(A), any premises that would be required to obtain a Title V permit solely because a stationary source on such premises is subject to 40 CFR Part 60 Subpart AAA, is currently exempt from Title V permitting.

**D. 40 CFR PART 61-** **National Emission Standards for Hazardous Air Pollutants**

Indicate which 40 CFR Part 61 Subparts are applicable by checking the appropriate box. If you checked non-applicable (N/A), you must provide the reason in the “Why” column. Refer to the instructions for the appropriate letter code. See [40 CFR Part 61](https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-61?toc=1).

| **Pollutant** | **Facility Or Emission Unit Type** | **40 CFR Part 61 Subpart** | **Apply** | **N/A** | **Why** |
| --- | --- | --- | --- | --- | --- |
| Radon | Underground Uranium Mines; Department of Energy Facilities; Phosphogypsum Stacks; Phosphorus Fertilizer Plants; and Facilities Processing or Disposing of Uranium Mill Tailings; Operating Mill Tailings | B, Q, R,  T, W |  |  |  |
| Beryllium | Beryllium Extraction Plants; Ceramic Plants, Foundries, Incinerators, Propellant Plants, and Machine Shops that Process Beryllium Containing Material; and Rocket Motor Firing Test Sites | C, D |  |  |  |
| Mercury | Mercury Ore Processing; Manufacturing Processes Using Mercury Chloralkli Cells; and Sludge Incinerators | E |  |  |  |
| Vinyl Chloride | Ethylene Dichloride Manufacturing Via Oxygen, Hcl and Ethylene; Vinyl Chloride Manufacturing; and Polyvinyl Chloride Manufacturing | F |  |  |  |
| Radio-nuclides | Department of Energy; Nuclear Regulatory Commission Licensed Facilities; Other Federal Facilities; and Elemental Phosphorus Plants | H, I\*, K |  |  |  |
| Benzene | Fugitive Process, Storage, and Transfer Equipment Leak; Coke By-Product Recovery Plants; Benzene Storage Vessels; Benzene Transfer Operation; and Benzene Waste Operations | J, L, Y, BB, FF |  |  |  |
| Asbestos | Asbestos Mills; Roadway Surfacing with Asbestos Tailings; Manufacture of Products Containing Asbestos; Demolition; Renovation; and Spraying and Disposal of Asbestos Waste | M\* |  |  |  |
| Inorganic Arsenic | Glass Manufacture; Primary Copper Smelter; Arsenic Trioxide and Metallic Arsenic Production Facilities | N, O, P |  |  |  |
| Volatile Hazardous Air Pollutants (VHAP) | Pumps, Compressors, Pressure Relief Devices, Connections, Valves, Lines, Flanges, Product Accumulator Vessels, Etc. in VHAP Service  (As of 11/30/94 only vinyl chloride and benzene are regulated by 40 CFR Part 61, Subpart V) | V |  |  |  |
| Other: |  |  |  |  |  |

\* According to RCSA sections 22a-174-33(c)(2)(B) and (D), any premises that would be required to obtain a Title V permit solely because a stationary source on such premises is subject to 40 CFR Part 61 Subpart M, Section 61.145 is currently exempt from Title V permitting.

# E. 40 CFR Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories

Indicate which 40 CFR Part 63 Subparts are applicable by checking the appropriate box. If you checked non-applicable (N/A), you must provide the reason in the “Why” column. Refer to the instructions for the appropriate letter code. See [40 CFR Part 63](https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63?toc=1).

| **Source Category** | **40 CFR  Part 63  Subpart** | **Apply** | **N/A** | **Why** |
| --- | --- | --- | --- | --- |
| General Provisions | A |  |  |  |
| Hazardous Organic NESHAP Including: Synthetic Organic Chemical Manufacturing Industry (including Dodecanedioic Acid Production (S), Tetrahydrobenzaldehyde Production previously known as Butadiene Dimers Production (S)) | F, G, H, I |  |  |  |
| Polyvinyl Chloride and Copolymers Production | J |  |  |  |
| Coke Ovens: Charging, Top Side and Door Leaks | L |  |  |  |
| Dry Cleaning Facilities (Perchloroethylene) | M |  |  |  |
| Chromium Electroplating and Chromium Anodizing | N |  |  |  |
| Commercial Sterilizers (Ethylene Oxide) | O |  |  |  |
| Industrial Cooling Towers | Q |  |  |  |
| Gasoline Distribution - Stage I | R |  |  |  |
| Pulp & Paper Production (Non-Combust) MACT I | S |  |  |  |
| Halogenated Solvent Cleaners\* not on list | T |  |  |  |
| Group I Polymers and Resins | U |  |  |  |
| Epoxy Resins Production and Non-Nylon Polyamides Production | W |  |  |  |
| Secondary Lead Smelters | X |  |  |  |
| Marine Vessel Loading Operations | Y |  |  |  |
| Phosphoric Acid Manufacturing | AA |  |  |  |
| Phosphate Fertilizers Production | BB |  |  |  |
| Petroleum Refineries – Other sources not distinctly listed | CC |  |  |  |
| Off-Site Waste and Recovery Operations | DD |  |  |  |
| Magnetic Tape (Surface Coating) | EE |  |  |  |
| Aerospace Industries | GG |  |  |  |
| Oil and Natural Gas Production includes area sources | HH |  |  |  |
| Shipbuilding and Ship Repair (Surface Coating) | II |  |  |  |
| Wood Furniture (Surface Coating) | JJ |  |  |  |
| Printing/Publishing (Surface Coating) | KK |  |  |  |
| Primary Aluminum Production | LL |  |  |  |
| Combustion Sources at Kraft, Soda and Sulfite Pulp & Paper Mills | MM |  |  |  |
| Wool Fiberglass Manufacturing (area sources) | NN |  |  |  |
| Ethylene Manufacturing Process Units: Heat Exchange Systems and Waste Operations | XX |  |  |  |
| Generic MACT | YY |  |  |  |
| Steel Pickling - HCl Process Facilities and Hydrochloric Acid Regeneration Plants | CCC |  |  |  |
| Mineral Wool Production | DDD |  |  |  |
| Hazardous Waste Incineration | EEE |  |  |  |
| Pharmaceuticals Production | GGG |  |  |  |
| Natural Gas Transmission and Storage | HHH |  |  |  |
| Flexible Polyurethane Foam Production | III |  |  |  |
| Group IV Polymers & Resins | JJJ |  |  |  |
| Portland Cement Manufacturing | LLL |  |  |  |
| Pesticide Active Ingredient Production | MMM |  |  |  |
| Wool Fiberglass Manufacturing | NNN |  |  |  |
| Amino/Phenolic Resins Manufacture | OOO |  |  |  |
| Polyether Polyols Production | PPP |  |  |  |
| Primary Copper | QQQ |  |  |  |
| Secondary Aluminum Production | RRR |  |  |  |
| Primary Lead Smelting | TTT |  |  |  |
| Petroleum Refineries – Catalytic Cracking, Catalytic Reforming Units, and Sulfur Recovery Units | UUU |  |  |  |
| Publicly Owned Treatment Works (POTW) | VVV |  |  |  |
| Ferroalloys Production (major sources) | XXX |  |  |  |
| Municipal Solid Waste Landfills (formerly Municipal Landfills) | AAAA |  |  |  |
| Manufacturing Nutritional Yeast | CCCC |  |  |  |
| Plywood and Composite Wood Products | DDDD |  |  |  |
| Organic Liquids Distribution (Non-Gasoline) | EEEE |  |  |  |
| Miscellaneous Organic Chemical Production & Processes (MON) | FFFF |  |  |  |
| Solvent Extraction for Vegetable Oil Production | GGGG |  |  |  |
| Wet Formed Fiberglass Mat Production | HHHH |  |  |  |
| Auto & Light Duty Truck (surface coating) | IIII |  |  |  |
| Paper and other Web (Surface Coating) | JJJJ |  |  |  |
| Metal Can (Surface Coating) | KKKK |  |  |  |
| Miscellaneous Metal Parts & Products (Surface Coating | MMMM |  |  |  |
| Large Appliance (Surface Coating) | NNNN |  |  |  |
| Fabric Printing, Coating & Dyeing | OOOO |  |  |  |
| Plastic Parts (Surface Coating) | PPPP |  |  |  |
| Wood Building Products (Surface Coating) | QQQQ |  |  |  |
| Metal Furniture (Surface Coating) | RRRR |  |  |  |
| Metal Coil (Surface Coating) | SSSS |  |  |  |
| Leather Finishing Operations | TTTT |  |  |  |
| Cellulose Products Manufacturing | UUUU |  |  |  |
| Boat Manufacturing | VVVV |  |  |  |
| Reinforced Plastic Composites Production | WWWW |  |  |  |
| Rubber Tire Manufacturing | XXXX |  |  |  |
| Stationary Combustion Turbines | YYYY |  |  |  |
| Reciprocating Internal Combustion Engines (RICE) includes area sources | ZZZZ |  |  |  |
| Lime Manufacturing | AAAAA |  |  |  |
| Semiconductor Manufacturing | BBBBB |  |  |  |
| Coke Ovens: Pushing, Quenching, and Battery Stacks | CCCCC |  |  |  |
| Industrial, Commercial and Institutional Boilers and Process Heaters – Major Sources | DDDDD |  |  |  |
| Iron & Steel Foundries (Major Sources) | EEEEE |  |  |  |
| Integrated Iron & Steel Manufacturing | FFFFF |  |  |  |
| Site Remediation | GGGGG |  |  |  |
| Miscellaneous Coating Manufacturing | HHHHH |  |  |  |
| Mercury Cell Chlor-Alkali Plants | IIIII |  |  |  |
| Brick and Structural Clay Products Manufacturing | JJJJJ |  |  |  |
| Clay Ceramics Manufacturing | KKKKK |  |  |  |
| Asphalt Processing & Asphalt Roofing Manufacturing | LLLLL |  |  |  |
| Flexible Polyurethane Foam Fabrication Operation | MMMMM |  |  |  |
| Hydrochloric Acid Production Including: Fumed Silica Production | NNNNN |  |  |  |
| Engine Test Cells/Stands | PPPPP |  |  |  |
| Friction Products Manufacturing | QQQQQ |  |  |  |
| Taconite Iron Ore Processing | RRRRR |  |  |  |
| Refractory Products Manufacturing | SSSSS |  |  |  |
| Primary Magnesium Refining | TTTTT |  |  |  |
| Utility NESHAP | UUUUU |  |  |  |
| Hospitals: Ethylene Oxide Sterilizers (area sources) | WWWWW |  |  |  |
| Electric Arc Furnace Steelmaking Facilities (area sources) | YYYYY |  |  |  |
| Iron & Steel Foundries (area sources) | ZZZZZ |  |  |  |
| Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities (area sources) | BBBBBB (6B) |  |  |  |
| Gasoline Dispensing Facilities (area sources) | CCCCCC (6C) |  |  |  |
| Polyvinyl Chloride and Copolymers Production (area sources) | DDDDDD (6D) |  |  |  |
| Primary Copper Smelting (area sources) | EEEEEE (6E) |  |  |  |
| Secondary Copper Smelting (area sources) | FFFFFF (6F) |  |  |  |
| Primary Nonferrous Metals – Zinc, Cadmium and Beryllium (area sources) | GGGGGG (6G) |  |  |  |
| Auto Body Refinishing (area sources) | HHHHHH (6H) |  |  |  |
| Paint Stripping and Miscellaneous Surface Coating Operations (area sources) | HHHHHH (6H) |  |  |  |
| Industrial, Commercial and Institutional Boilers and Process Heaters (area Sources) | JJJJJJ (6J) |  |  |  |
| Acrylic/Modacrylic Fiber (area sources) | LLLLLL (6L) |  |  |  |
| Carbon Black Production (area sources) | MMMMMM (6M) |  |  |  |
| Chromium Compounds (area sources) | NNNNNN (6N) |  |  |  |
| Flexible Polyurethane Foam Production and Fabrication (area sources) | OOOOOO (6O) |  |  |  |
| Lead Acid Battery Manufacturing (area sources) | PPPPPP (6P) |  |  |  |
| Wood Preserving (area sources) | QQQQQQ (6Q) |  |  |  |
| Clay Ceramic Manufacturing (area sources) | RRRRRR (6R) |  |  |  |
| Glass Manufacturing (area sources) | SSSSSS (6S) |  |  |  |
| Secondary Nonferrous Metals Processing (Brass, Bronze, Magnesium and Zinc) (area sources) | TTTTTT (6T) |  |  |  |
| Chemical Manufacturing Industry (area sources): CMAS | VVVVVV (6V) |  |  |  |
| Plating and Polishing Operations (area sources) | WWWWWW (6W) |  |  |  |
| Metal Fabrication and Finishing Source Nine Categories (area sources) | XXXXXX (6X) |  |  |  |
| Ferroalloys Production (area sources) | YYYYYY (6Y) |  |  |  |
| Nonferrous Foundries: Aluminum, Copper and Other (area sources) | ZZZZZZ (6Z) |  |  |  |
| Asphalt Processing & Asphalt Roofing Manufacturing (area sources) | AAAAAAA (7A) |  |  |  |
| Chemical Preparations Industry | BBBBBBB (7B) |  |  |  |
| Paints and Allied Products Manufacturing (area sources) | CCCCCCC (7C) |  |  |  |
| Prepared Feeds Manufacturing (area sources) | DDDDDDD (7D) |  |  |  |
| Gold Mine Ore Processing and Production (area sources) | EEEEEEE (7E) |  |  |  |
| Polyvinyl Chloride and Copolymers Production | HHHHHHH (7H) |  |  |  |
| Other: |  |  |  |  |
| Other: |  |  |  |  |
| Other: |  |  |  |  |

1. **40 CFR Part 68 – Chemical Accident Prevention Provisions**

**Regulated Toxic Substances and Threshold Quantities for Accidental Release Prevention**

If the facility produces, processes, stores or uses any of the substances, in excess of the threshold listed in the following table, it may be subject to the requirements regulated under Section 112(r) of the Clean Air Act.

Indicate which 40 CFR Part 68 toxic substances are emitted at or above the threshold quantity listed by checking the appropriate box. See [Table 1 to 40 CFR §68.130](https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-68/subpart-F/section-68.130).

| Chemical Name | **CAS No.** | **Threshold Quantity (lbs)** | **Apply** | **N/A** |
| --- | --- | --- | --- | --- |
| Acrolein [2-Propenal] | 107–02–8 | 5,000 |  |  |
| Acrylonitrile [2-Propenenitrile] | 107–13–1 | 20,000 |  |  |
| Acrylyl chloride [2-Propenoyl chloride] | 814–68–6 | 5,000 |  |  |
| Allyl alcohol [2-Propen-l-ol] | 107–18–6 | 15,000 |  |  |
| Allylamine [2-Propen-l-amine] | 107–11–9 | 10,000 |  |  |
| Ammonia (anhydrous) | 7664–41–7 | 10,000 |  |  |
| Ammonia (conc 20% or greater) | 7664–41–7 | 20,000 |  |  |
| Arsenous trichloride | 7784–34–1 | 15,000 |  |  |
| Arsine | 7784–42–1 | 1,000 |  |  |
| Boron trichloride [Borane, trichloro-] | 10294–34–5 | 5,000 |  |  |
| Boron trifluoride [Borane, trifluoro-] | 7637–07–2 | 5,000 |  |  |
| Boron trifluoride compound with methyl ether (1:1) [Boron, trifluoro [oxybis [metane]]-, T-4- | 353–42–4 | 15,000 |  |  |
| Bromine | 7726–95–6 | 10,000 |  |  |
| Carbon disulfide | 75–15–0 | 20,000 |  |  |
| Chlorine | 7782–50–5 | 2,500 |  |  |
| Chlorine dioxide [Chlorine oxide (ClO2)] | 10049–04–4 | 1,000 |  |  |
| Chloroform [Methane, trichloro-] | 67–66–3 | 20,000 |  |  |
| Chloromethyl ether [Methane, oxybis[chloro-] | 542–88–1 | 1,000 |  |  |
| Chloromethyl methyl ether [Methane, chloromethoxy-] | 107–30–2 | 5,000 |  |  |
| Crotonaldehyde [2-Butenal] | 4170–30–3 | 20,000 |  |  |
| Crotonaldehyde, (E)- [2-Butenal, (E)-] | 123–73–9 | 20,000 |  |  |
| Cyanogen chloride | 506–77–4 | 10,000 |  |  |
| Cyclohexylamine [Cyclohexanamine] | 108–91–8 | 15,000 |  |  |
| Diborane | 19287–45–7 | 2,500 |  |  |
| Dimethyldichlorosilane [Silane, dichlorodimethyl-] | 75–78–5 | 5,000 |  |  |
| 1,1-Dimethylhydrazine [Hydrazine, 1,1-dimethyl-] | 57–14–7 | 15,000 |  |  |
| Epichlorohydrin [Oxirane, (chloromethyl)-] | 106–89–8 | 20,000 |  |  |
| Ethylenediamine [1,2-Ethanediamine] | 107–15–3 | 20,000 |  |  |
| Ethyleneimine [Aziridine] | 151–56–4 | 10,000 |  |  |
| Ethylene oxide [Oxirane] | 75–21–8 | 10,000 |  |  |
| Fluorine | 7782–41–4 | 1,000 |  |  |
| Formaldehyde (solution) | 50–00–0 | 15,000 |  |  |
| Furan | 110–00–9 | 5,000 |  |  |
| Hydrazine | 302–01–2 | 15,000 |  |  |
| Hydrochloric acid (conc 37% or greater) | 7647–01–0 | 15,000 |  |  |
| Hydrocyanic acid | 74–90–8 | 2,500 |  |  |
| Hydrogen chloride (anhydrous) [Hydrochloric acid] | 7647–01–0 | 5,000 |  |  |
| Hydrogen fluoride/Hydrofluoric acid (conc 50% or greater) [Hydrofluoric acid] | 7664–39–3 | 1,000 |  |  |
| Hydrogen selenide | 7783–07–5 | 500 |  |  |
| Hydrogen sulfide | 7783–06–4 | 10,000 |  |  |
| Iron, pentacarbonyl- [Iron carbonyl (Fe(CO)5), (TB-5-11)-] | 13463–40–6 | 2,500 |  |  |
| Isobutyronitrile [Propanenitrile, 2-methyl-] | 78–82–0 | 20,000 |  |  |
| Isopropyl chloroformate [Carbonochloridic acid, 1-methylethyl ester] | 108–23–6 | 15,000 |  |  |
| Methacrylonitrile [2-Propenenitrile, 2-methyl-] | 126–98–7 | 10,000 |  |  |
| Methyl chloride [Methane, chloro-] | 74–87–3 | 10,000 |  |  |
| Methyl chloroformate [Carbonochloridic acid, methylester] | 79–22–1 | 5,000 |  |  |
| Methyl hydrazine [Hydrazine, methyl-] | 60–34–4 | 15,000 |  |  |
| Methyl isocyanate [Methane, isocyanato-] | 624–83–9 | 10,000 |  |  |
| Methyl mercaptan [Methanethiol] | 74–93–1 | 10,000 |  |  |
| Methyl thiocyanate [Thiocyanic acid, methyl ester] | 556–64–9 | 20,000 |  |  |
| Methyltrichlorosilane [Silane, trichloromethyl-] | 75–79–6 | 5,000 |  |  |
| Nickel carbonyl | 13463–39–3 | 1,000 |  |  |
| Nitric acid (conc 80% or greater) | 7697–37–2 | 15,000 |  |  |
| Nitric oxide [Nitrogen oxide (NO)] | 10102–43–9 | 10,000 |  |  |
| Oleum (Fuming Sulfuric acid) [Sulfuric acid, mixture with sulfur trioxide]1 | 8014–95–7 | 10,000 |  |  |
| Peracetic acid [Ethaneperoxoic acid] | 79–21–0 | 10,000 |  |  |
| Perchloromethylmercaptan [Methanesulfenyl chloride, trichloro-] | 594–42–3 | 10,000 |  |  |
| Phosgene [Carbonic dichloride] | 75–44–5 | 500 |  |  |
| Phosphine | 7803–51–2 | 5,000 |  |  |
| Phosphorus oxychloride [Phosphoryl chloride] | 10025–87–3 | 5,000 |  |  |
| Phosphorus trichloride [Phosphorous trichloride] | 7719–12–2 | 15,000 |  |  |
| Piperidine | 110–89–4 | 15,000 |  |  |
| Propionitrile [Propanenitrile] | 107–12–0 | 10,000 |  |  |
| Propyl chloroformate [Carbonochloridic acid, propylester] | 109–61–5 | 15,000 |  |  |
| Propyleneimine [Aziridine, 2-methyl-] | 75–55–8 | 10,000 |  |  |
| Propylene oxide [Oxirane, methyl-] | 75–56–9 | 10,000 |  |  |
| Sulfur dioxide (anhydrous) | 7446–09–5 | 5,000 |  |  |
| Sulfur tetrafluoride [Sulfur fluoride (SF4), (T-4)-] | 7783–60–0 | 2,500 |  |  |
| Sulfur trioxide | 7446–11–9 | 10,000 |  |  |
| Tetramethyl lead [Plumbane, tetramethyl-] | 75–74–1 | 10,000 |  |  |
| Tetranitromethane [Methane, tetranitro-] | 509–14–8 | 10,000 |  |  |
| Titanium tetrachloride [Titanium chloride (TiCl4) (T-4)-] | 7550–45–0 | 2,500 |  |  |
| Toluene 2,4-diisocyanate [Benzene, 2,4-diisocyanato-1-methyl-]1 | 584–84–9 | 10,000 |  |  |
| Toluene 2,6-diisocyanate [Benzene, 1,3-diisocyanato-2-methyl-]1 | 91–08–7 | 10,000 |  |  |
| Toluene diisocyanate (unspecified isomer) [Benzene, 1,3-diisocyanatomethyl-]1 | 26471–62–5 | 10,000 |  |  |

1. **40 CFR Part 68 – Chemical Accident Prevention Provisions**

**Regulated Flammable Substances and Threshold Quantities for Accidental Release Prevention**

If the facility produces, processes, stores or uses any of the substances, in excess of the threshold listed in the following table, it may be subject to the requirements regulated under Section 112(r) of the Clean Air Act.

Indicate which 40 CFR Part 68 substances are emitted at or above the threshold quantity listed by checking the appropriate box. See Table 3 to [40 CFR §68.130](https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-68/subpart-F/section-68.130).

| Chemical Name | **CAS No.** | **Threshold Quantity (lbs)** | **Apply** | **N/A** |
| --- | --- | --- | --- | --- |
| Acetaldehyde | 75-07-0 | 10,000 |  |  |
| Acetylene [Ethylene] | 74-86-2 | 10,000 |  |  |
| Bromotrifluoroethylene [Ethene, bromotrifluoro-] | 598-73-2 | 10,000 |  |  |
| 1,3-Butadiene | 106-99-0 | 10,000 |  |  |
| Butane | 106-97-8 | 10,000 |  |  |
| 1-Butene | 106-98-9 | 10,000 |  |  |
| 2-Butene | 107-01-7 | 10,000 |  |  |
| Butene | 25167-67-3 | 10,000 |  |  |
| 2-Butene-cis | 590-18-1 | 10,000 |  |  |
| 2-Butene-trans [2-Butene, (E)] | 624-64-6 | 10,000 |  |  |
| Carbon oxysulfide [Carbon oxide sulfide (COS)] | 463-58-1 | 10,000 |  |  |
| Chlorine monoxide [Chlorine oxide] | 7791-21-1 | 10,000 |  |  |
| 2-Chloropropylene [1-Propene, 2-chloro-] | 557-98-2 | 10,000 |  |  |
| 1-Chloropropylene [1-Propene, 1-chloro-] | 509-21-6 | 10,000 |  |  |
| Cyanogen [Ethanedinitrile] | 460-19-5 | 10,000 |  |  |
| Cyclopropane | 75-19-4 | 10,000 |  |  |
| Dichlorosilane [Silane, dichloro-] | 4109-96-0 | 10,000 |  |  |
| Difluoroethane [Ethane, 1, 1-difluoro-] | 75-37-6 | 10,000 |  |  |
| Dimethylamine [Methanamine, N-methyl-] | 124-40-3 | 10,000 |  |  |
| 2,2-Dimethylpropane [Propane, 2,2-dimethyl-] | 463-82-1 | 10,000 |  |  |
| Ethane | 74-84-0 | 10,000 |  |  |
| Ethyl acetylene [1-Butyne] | 107-00-6 | 10,000 |  |  |
| Ethylamine [Ethanamine] | 75-04-7 | 10,000 |  |  |
| Ethyl chloride [Ethane, chloro-] | 75-00-3 | 10,000 |  |  |
| Ethylene [Ethene] | 74-85-1 | 10,000 |  |  |
| Ethyl ether [Ethane, 1,1-‘-oxybis-] | 60-29-7 | 10,000 |  |  |
| Ethyl mercaptan [Ethanethiol] | 75-08-1 | 10,000 |  |  |
| Ethyl nitrite [Nitrous acid, ethyl ester] | 109-95-5 | 10,000 |  |  |
| Hydrogen | 1333-74-0 | 10,000 |  |  |
| Isobutane [Propane, 2-methyl] | 75-28-5 | 10,000 |  |  |
| Isopentane [Butane, 2-methyl-] | 78-78-4 | 10,000 |  |  |
| Isoprene [1,3-Butadinene, 2-methyl-] | 78-79-5 | 10,000 |  |  |
| Isopropylamine [2-Propanamine] | 75-31-0 | 10,000 |  |  |
| Isopropyl chloride [Propane, 2-chloro-] | 75-29-6 | 10,000 |  |  |
| Methane | 74-82-8 | 10,000 |  |  |
| Methylamine [Methanamine] | 74-89-5 | 10,000 |  |  |
| 3-Methyl-l-butene | 563-45-1 | 10,000 |  |  |
| 2-Methyl-1-butene | 563–46–2 | 10,000 |  |  |
| Methyl ether [Methane, oxybis-] | 115–10–6 | 10,000 |  |  |
| Methyl formate [Formic acid, methyl ester] | 107-31-3 | 10,000 |  |  |
| 2-Methylpropene [1-Propene, 2-methyl-] | 115-11-7 | 10,000 |  |  |
| 1,3-Pentadinene | 504-60-9 | 10,000 |  |  |
| Pentane | 109-66-0 | 10,000 |  |  |
| 1-Pentene | 109-67-1 | 10,000 |  |  |
| 2-Pentene, (E)- | 646-04-8 | 10,000 |  |  |
| 2-Pentene, (Z)- | 627-20-3 | 10,000 |  |  |
| Propadiene [1,2-Propadiene] | 463-49-0 | 10,000 |  |  |
| Propane | 74-98-6 | 10,000 |  |  |
| Propylene [1,2-Propene] | 115-07-1 | 10,000 |  |  |
| Propyne [1-Propyne] | 74-99-7 | 10,000 |  |  |
| Silane | 7803-62-5 | 10,000 |  |  |
| Tetrafluoroethylene [Ethene, tetrafluoro-] | 116-14-3 | 10,000 |  |  |
| Tetramethylsilane [Silane, tetramethyl-] | 75-76-3 | 10,000 |  |  |
| Trichlorosilane [Silane, trichloro-] | 10025-78-2 | 10,000 |  |  |
| Trifluorochloroethylene [Ethene, chlorotrifluoro-] | 79-38-9 | 10,000 |  |  |
| Trimethylamine [Methanamine, N,N-dimethyl-] | 75-50-3 | 10,000 |  |  |
| Vinyl acetylene [1-Buten-3-yne] | 689-97-4 | 10,000 |  |  |
| Vinyl chloride [Ethene, chloro-] | 75-01-4 | 10,000 |  |  |
| Vinyl ethyl ether [Ethene, ethoxy-] | 109-92-2 | 10,000 |  |  |
| Vinyl fluoride [Ethene, fluoro-] | 75-02-5 | 10,000 |  |  |

1. **40 CFR PARTS 72-78 – Acid Rain Requirements**

Check the appropriate boxes to determine 40 CFR Parts 72-78 applicability.

|  |  |
| --- | --- |
| **Does the facility burn fossil fuel and generate electricity for wholesale or retail sale, such as a co-generation facility, a qualifying facility (as defined in the Federal Power Act), independent power producer, or solid waste incinerator?** | Yes If Yes, the facility **may be** subject to Acid Rain Requirements and an acid rain permit application must be completed. For more information, contact the Bureau of Air Management, Engineering Section at [DEEP.BAM.AirPermits@ct.gov](mailto:DEEP.BAM.AirPermits@ct.gov) or 860-424-4152.  No If no, the facility **is not** subject to Acid Rain Requirements. |

1. **40 CFR Part 82 - Class I and Class II Controlled Substances**

**Appendix A and B to 40 CFR Part 82 Subpart A**

If the facility produces, processes, stores or uses any of the Class I Controlled Substances listed in the following tables, it may be subject to the requirements regulated under 40 CFR Part 82. Compliance with the standards for recycling and emissions reduction of products using ozone depleting substances is required pursuant to 40 CFR Part 82 Subpart F. Review the following list to determine 40 CFR Part 82 applicability. See [40 CFR Part 82](https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-82?toc=1).

**A. Class I Group I**

| **Class I Controlled Substances** | **Ozone Depletion Potential** | **Apply** | **N/A** |
| --- | --- | --- | --- |
| CFCl3 - Trichlorofluoromethane (CFC-11) | 1.0 |  |  |
| CF2Cl2 - Dichlorofifluoromethane (CFC-12 | 1.0 |  |  |
| C2F3Cl3 - Trichlorotrifluoroethane (CFC-113) | 0.8 |  |  |
| C2F4Cl2 - Dichlorotetrafluoroethane (CFC-114) | 1.0 |  |  |
| C2F5Cl - Monochloropentafluoroethane (CFC-115) | 0.6 |  |  |
| All isomers of the above chemicals |  |  |  |

**B. Class I Group II**

| **Class I Controlled Substances** | **Ozone Depletion Potential** | **Apply** | **N/A** |
| --- | --- | --- | --- |
| CF2ClBr - Bromochlorodifluoromethane (Halon-1211) | 3.0 |  |  |
| CF3Br - Bromotrifluoromethane (Halon-1301) | 10.0 |  |  |
| C2F4Br2 - Dibromotetrafluoroethane (Halon-2402) | 6.0 |  |  |
| All isomers of the above chemicals |  |  |  |

**C. Class I Group III**

| **Class I Controlled Substances** | **Ozone Depletion Potential** | **Apply** | **N/A** |
| --- | --- | --- | --- |
| CF3Cl - Chlorotrifluoromethane (CFC-13) | 1.0 |  |  |
| C2FCl5 - (CFC-111) | 1.0 |  |  |
| C2F2Cl4 - (CFC-112) | 1.0 |  |  |
| C3FCl7 - (CFC-211) | 1.0 |  |  |
| C3F2Cl6 - (CFC-212) | 1.0 |  |  |
| C3F3Cl5 - (CFC-213) | 1.0 |  |  |
| C3F4Cl4 - (CFC-214) | 1.0 |  |  |
| C3F5Cl3 - (CFC-215) | 1.0 |  |  |
| C3F6Cl2 - (CFC-216) | 1.0 |  |  |
| C3F7Cl - (CFC-217) | 1.0 |  |  |
| All isomers of the above chemicals |  |  |  |

**D. Class I Group IV**

| **Class I Controlled Substances** | **Ozone Depletion Potential** | **Apply** | **N/A** |
| --- | --- | --- | --- |
| CCl4 - Carbon Tetrachloride | 1.1 |  |  |

**E. Class I Group V**

| **Class I Controlled Substances** | **Ozone Depletion Potential** | **Apply** | **N/A** |
| --- | --- | --- | --- |
| C2H3Cl3 - 1,1,1 Trichloroethane (Methyl chloroform) | 0.1 |  |  |
| All isomers of the above chemical except, 1,1,2-trichloroethane |  |  |  |

**F. Class I Group VI**

| **Class I Controlled Substances** | **Ozone Depletion Potential** | **Apply** | **N/A** |
| --- | --- | --- | --- |
| CH3Br - Bromomethane (Methyl Bromide) | 0.7 |  |  |

**G. Class I Group VII**

| **Class I Controlled Substances** | **Ozone Depletion Potential** | **Apply** | **N/A** |
| --- | --- | --- | --- |
| CHFBr2 | 1.00 |  |  |
| CHF2Br (HBFC-2201) | 0.74 |  |  |
| CH2FBr | 0.73 |  |  |
| C2HFBr4 | 0.3-0.8 |  |  |
| C2HF2Br3 | 0.5-1.8 |  |  |
| C2HF3Br2 | 0.4-1.6 |  |  |
| C2HF4Br | 0.7-1.2 |  |  |
| C2H2FBr3 | 0.1-1.1 |  |  |
| C2H2F2Br2 | 0.2-1.5 |  |  |
| C2H2F3Br | 0.7-1.6 |  |  |
| C2H2FBr2 | 0.1-1.7 |  |  |
| C2H3F2Br | 0.2-1.1 |  |  |
| C2H4FBr | 0.07-0.1 |  |  |
| C3HFBr6 | 0.3-1.5 |  |  |
| C3HF2Br5 | 0.2-1.9 |  |  |
| C3HF3Br4 | 0.3-1.8 |  |  |
| C3HF4Br3 | 0.5-2.2 |  |  |
| C3HF5Br2 | 0.9-2.0 |  |  |
| C3HF6Br | 0.7-3.3 |  |  |
| C3H2FBr5 | 0.1-1.9 |  |  |
| C3H2F2Br4 | 0.2-2.1 |  |  |
| C3H2F3Br3 | 0.2-5.6 |  |  |
| C3H2F4Br2 | 0.3-7.5 |  |  |
| C3H2F5Br | 0.9-14 |  |  |
| C3H3FBr4 | 0.08-1.9 |  |  |
| C3H3F2Br3 | 0.1-3.1 |  |  |
| C3H3F3Br2 | 0.1-2.5 |  |  |
| C3H3F4Br | 0.3-4.4 |  |  |
| C3H4FBr3 | 0.03-0.3 |  |  |
| C3H4F2Br2 | 0.1-1.0 |  |  |
| C3H4F3Br | 0.07-0.8 |  |  |
| C3H5FBr2 | 0.04-0.4 |  |  |
| C3H5F2Br | 0.07-0.8 |  |  |
| C3H6FBr | 0.02-0.7 |  |  |

**H. Class I Group VIII**

| **Class I Controlled Substances** | **Ozone Depletion Potential** | **Apply** | **N/A** |
| --- | --- | --- | --- |
| CH2BrCl Chlorobromomethane | 0.12 |  |  |

**I. Class II Controlled Substances**

| **Class II Controlled Substances** | **Ozone Depletion Potential** | **Apply** | **N/A** |
| --- | --- | --- | --- |
| Dichlorofluoromethane (HCFC-21) | 0.04 |  |  |
| Monochlorodifluoromethane (HCFC-22) | 0.055 |  |  |
| Monochlorofluoromethane (HCFC-31) | 0.02 |  |  |
| Tetrachlorofluoroethane (HCFC-121) | 0.01-0.04 |  |  |
| Trichlorodifluoroethane (HCFC-122) | 0.02-0.08 |  |  |
| Dichlorotrifluoroethane (HCFC-123) | 0.02 |  |  |
| Monochlorotetrafluoroethane (HCFC-124) | 0.022 |  |  |
| Trichlorofluoroethane (HCFC-131) | 0.007-0.05 |  |  |
| Dichlorodifluoroethane (HCFC-132) | 0.008-0.05 |  |  |
| Monochlorotrifluoroethane (HCFC-133) | 0.02-0.06 |  |  |
| Dichlorofluoroethane (HCFC-141b) | 0.11 |  |  |
| Monochlorodifluoroethane (HCFC-142b) | 0.065 |  |  |
| Chlorofluoroethane (HCFC-151) | 0.003-0.005 |  |  |
| Hexachlorofluoropropane (HCFC-221) | 0.015-0.07 |  |  |
| Pentachlorodifluoropropane (HCFC-222) | 0.01-0.09 |  |  |
| Tetrachlorotrifluoropropane (HCFC-223) | 0.01-0.08 |  |  |
| Trichlorotetrafluoropropane (HCFC-224) | 0.01-0.09 |  |  |
| Dichloropentafluoropropane (HCFC-225ca) | 0.025 |  |  |
| Dichloropentafluoropropane (HCFC-225cb) | 0.033 |  |  |
| Monochlorohexafluoropropane (HCFC-226) | 0.02-0.10 |  |  |
| Pentachlorofluoropropane (HCFC-231) | 0.05-0.09 |  |  |
| Tetrachlorodifluoropropane (HCFC-232) | 0.008-0.10 |  |  |
| Trichlorotrifluoropropane (HCFC-233) | 0.007-0.23 |  |  |
| Dichlorotetrafluoropropane (HCFC-234) | 0.01-0.28 |  |  |
| Monochloropentafluoropropane (HCFC-235) | 0.03-0.52 |  |  |
| Tetrachlorofluoropropane (HCFC-241) | 0.004-0.09 |  |  |
| Trichlorodifluoropropane (HCFC-242) | 0.005-0.13 |  |  |
| Dichlorotrifluoropropane (HCFC-243) | 0.007-0.12 |  |  |
| Monochlorotetrafluoropropane (HCFC-244) | 0.009-0.14 |  |  |
| Trichlorofluoropropane (HCFC-251) | 0.001-0.01 |  |  |
| Dichlorodifluoropropane (HCFC-252) | 0.005-0.04 |  |  |
| Monochlorotrifluoropropane (HCFC-253) | 0.003-0.03 |  |  |
| Dichlorofluoropropane (HCFC-261) | 0.002-0.02 |  |  |
| Monochlorodifluoropropane (HCFC-262) | 0.002-0.02 |  |  |
| Monochlorofluoropropane (HCFC-271) | 0.001-0.03 |  |  |

**Part V: Title V Source Determination**

Check the box(es) next to the standard or emission level which, pursuant to RCSA section 22a-174-33(a)(10), qualifies the facility as a Title V source.

|  |  |
| --- | --- |
| **1.** **STANDARDS** | |
| **Does the facility includes one or more emissions units which are subject to the following standards?**  (select all that apply) | 40 CFR Part 51  40 CFR Part 52  40 CFR Part 59  40 CFR Part 60  40 CFR Part 61  40 CFR Part 62  40 CFR Part 62  40 CFR Part 63  40 CFR Part 68  40 CFR Part 64  40 CFR Part 70  40 CFR Parts 72 -78, inclusive  40 CFR Part 82  Clean Air Act Amendments of 1990 Section 129(e) |
| **2. EXEMPTION/DEFERRAL** | |
| **Are there any exemptions or deferrals that eliminate this facility as a Title V source?** | Yes  No  If Yes, which ones?  If the facility meets one of the standards criteria and there are no exemptions or deferrals the facility is a Title V source. |
| **3. EMISSIONS LEVEL CRITERIA** | |
| **If the facility includes one or more emissions units which emit or have the potential to emit any of the following, including fugitive emissions to the extent quantifiable, in the aggregate, check the appropriate boxes:** | 10 TPY or more of any hazardous air pollutant  25 TPY or more of any combination of hazardous air pollutants  Such quantity of hazardous air pollutants established by the Administrator pursuant to 40 CFR Part 63 |
| **If the facility includes one or more emissions units which emit or have the potential to emit any of the following, including fugitive emissions from those categories of sources listed in (2)(i) through (xxvii) in the definition of “major source” in 40 CFR Section 70.2, check the appropriate boxes:** | 100 TPY or more of any regulated air pollutant that is not a GHG  50 TPY or more of VOCs or NOx in a serious ozone non-attainment area  25 TPY or more of VOCs or NOx in a severe ozone non-attainment area  100,000 TPY or more of GHG (CO2e basis) and 100 TPY or more of GHG (mass basis) |
| **4. EMISSIONS LEVEL DETERMINATION METHOD** | |
| **If any emissions level criteria box is checked above, indicate the method of determination used by checking the appropriate box:** | The applicant stipulates to the potential emissions levels  (Each type of pollutant must still be listed with potential emissions. Submit as Attachment E.)  Emission Calculations, submit as Attachment M. |

Part VI: Insignificant Emissions Units Checklist

Check the box(es) next to all the emissions units at the facility which qualify as insignificant emissions units pursuant to RCSA sections 22a-174-33(g)(3)(A) and (B). An applicant may not need to provide emissions information on these items other than checking the appropriate box(es) indicating that these activities or items are present at the facility.

However, if the commissioner determines the emissions from any activity or items are needed to determine the applicability of the Title V regulation to this facility or to impose any applicable requirement, then the applicant shall supply the emissions data for all of the emissions units or activities listed in items 1 and 2 of this Part as Attachment M. If the emissions information is necessary only to determine whether this facility is a Title V source, the applicant shall include the emissions data for only those activities listed in Part VI.2 of this application as Attachment M.

|  |  |
| --- | --- |
| **Type of Equipment** | **Activity Present at Facility?** |
| 1. **LABORATORY HOODS** | |
| A laboratory hood used solely for the purpose of experimental study or teaching of any science or testing or analysis of drugs, chemicals, chemical compounds, or other substances, provided that the containers used for reactions, transfers, and other handling of substances under such laboratory hood are designed to be easily and safely manually manipulated by one person. | Yes  No |
| 1. **OTHER INSIGNIFICANT EMISSIONS UNITS**   This facility includes one or more of the following items or activities which are not the principal function of such Title V source: | |
| Office equipment, including but not limited to copiers, facsimile and communication equipment, and computer equipment | Yes  No |
| Grills, ovens, stoves, refrigerators, vending machines, and other restaurant-style food preparation or storage equipment | Yes  No |
| Lavatory vents, hand dryers, and noncommercial clothes dryers, not including dry cleaning machinery | Yes  No |
| Garbage compactors and waste barrels | Yes  No |
| Aerosol spray cans | Yes  No |
| Heating, air conditioning, and ventilation systems which do not remove air contaminants generated by or released from process or fuel burning equipment and which are separate from such equipment | Yes  No |
| Routine housekeeping activities such as painting buildings, roofing, and paving parking lots | Yes  No |
| All clerical and janitorial activities | Yes  No |
| Maintenance activities such as vehicle repair, brazing, soldering and welding equipment, carpentry shops, electrical charging stations, grinding and polishing operations maintenance shop vents, miscellaneous non-production surface cleaning, preparation and painting operations | Yes  No |
| Space heaters which can reasonably be carried by one person by hand | Yes  No |

**Part VII: Supporting Documents**

Check the applicable box below for each attachment being submitted with this application form. When submitting any supporting documents, please label the documents as indicated in this Part (e.g., Attachment A, etc.) and be sure to include the applicant’s name as indicated on this application form.

All referenced forms may be accessed electronically, in WORD and PDF versions, on the [Air Emissions Permits](https://portal.ct.gov/DEEP/Permits-and-Licenses/Air-Emissions-Permits-and-General-Permits) webpage.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Attachment** | **Attachment Name** | **Form No.** | **Required?** | **Attached** |
| AA | *Copy of Public Notice of Application and Original Certification of Notice Form* | DEEP-APP-005A | **Required** |  |
| A | *Executive Summary* | DEEP-TV-APP-105 | **Required** |  |
| B | *USGS Map* - An 8 ½” X 11” copy of the relevant portion of a USGS Quadrangle Map indicating the exact location of the facility or site. | *No DEEP form* | **Required** |  |
| C | *Operating Scenario Information* | DEEP-TV-APP-101 | **Required** |  |
| D | *Emissions Unit Information Within Operating Scenarios* | DEEP-TV-APP-102 | **Required** |  |
| D2 | *Generally Applicable Requirements* | DEEP-TV-APP-102B | If applicable |  |
| E | *Total Regulated Air Pollutants Emitted Within Operating Scenarios* | DEEP-TV-APP-103 | **Required** |  |
| F | *Applicant Compliance Information* | DEEP-APP-002 | **Required** |  |
| G | *Title V Compliance Plan* | DEEP-TV-APP-104 | **Required** |  |
| H | Within each alternative operating scenario, a description of air pollution control equipment in use at the facility and a description of monitoring equipment in use at the facility used to quantify emissions or to determine compliance.  (This attachment is for the equipment, which is not associated with an emissions unit therefore, not captured on other forms.) | *No DEEP form* | If applicable |  |
| I | For identification and description purposes, supply a copy of the order, permit or certification granting an alternative means of compliance for nitrogen oxides (NOx) or volatile organic compounds (VOCs) | *No DEEP form* | If applicable |  |
| J | For renewals only, a marked up copy of your current Title V permit noting modifications or other changes. Redline any proposed deleted language and use uppercase font for proposed new language. | *No DEEP form* | If applicable |  |
| K | *Written Authorization Form RCSA section 22a-174-2a(a)(2)(B)* | DEEP-TV-SIG-REG-002 | If applicable |  |
| L | Compliance Assurance Monitoring (CAM) plan | *No DEEP form* | If applicable |  |
| M | All calculations, clearly labeled | *No DEEP form* | If applicable |  |
| N | *Acid Rain Permit Application* - A completed EPA Phase II Acid Rain Permit Application Form signed by the designated or alternate designated representative | EPA Form 7610-16 | If applicable |  |
| O | *CAIR Permit Application* – A completed CAIR Permit Application Form signed by the CAIR designated or alternate designated representative | DEEP-CAIR-APP-400 | If applicable |  |
| P | Other Supporting Documents | *No DEEP form* | If applicable |  |

# Part VIII: Certification

The authorized representative **and** the individual(s) responsible for actually preparing the application must sign this part. An application will be considered insufficient unless all required signatures are provided.

|  |  |  |  |
| --- | --- | --- | --- |
| **“I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under section 22a-175 of the Connecticut General Statutes, under section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute.**  **I certify that this application is on complete and accurate forms as prescribed by the commissioner without alteration of the text.**  **I certify that I have complied with all notice requirements as listed in section 22a-6g of the General Statutes.”** | | | |
| **APPLICANT:** | | | |
| **Signature of Applicant** |  | **Date** |  |
| **Name of Applicant (print or type)** |  | | |
| **Title (if applicable)** |  | | |
| **PREPARER:** | | | |
| **Signature of Preparer** |  | **Date** |  |
| **Name of Preparer (print or type)** |  | | |
| **Title (if applicable)** |  | | |

**Submit one hardcopy and one electronic copy of the completed and signed application package to DEEP.**

**The hardcopy of the completed and signed application package shall be submitted to:**

CENTRAL PERMIT PROCESSING UNIT

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION

79 ELM STREET

HARTFORD, CONNECTICUT 06106-5127

**The electronic copy of the completed and signed application form shall be submitted to**: [DEEP.BAM.AirPermits@ct.gov](mailto:DEEP.BAM.AirPermits@ct.gov). Where the file size of attachments exceed the allowable limit, please contact [DEEP.BAM.AirPermits@ct.gov](mailto:DEEP.BAM.AirPermits@ct.gov) to arrange an alternate method of submitting the electronic copy.

Your application is not considered received by the Department until the hardcopy of the completed and signed application is submitted to the address above.

Note: A *Permit Application Transmittal Form* (DEEP-APP-001) is **not** required with this application form.

A copy of the published notice of the permit application must also be sent to the chief elected official of the municipality in which the regulated activity is proposed.

**A copy of the completed and signed application package shall also be submitted to:**

EPA REGION I

5 POST OFFICE SQUARE – SUITE 100

MAIL CODE OEP05-02

BOSTON, MASSACHUSETTS 02109-3912