|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Please fill out a form for each incinerator** | | | | | | | | | | | | | | | | | | |
| **1. Business information:** | | | | | | | | | | | | | | | **Air Quality Use Only** | | | |
| Business license name of corporation, company, individual owner, or governmental agency under which the application is submitted | | | | | | | | | | | | | | |
| **Source Number** | | |  |
| **2. Emission unit name:** | | | | | | | | | | | | | | | **Emission Unit Number** | | |  |
|  | | | | | | | | | | | | | | |
| **3. Operating schedule:** | | | | | | | | | | | | | | | | | | |
| Hours per day | | | Days per week | | | | Weeks per year | | | | | | | Days per year | | | | |
|  | | |  | | | |  | | | | | | |  | | | | |
| **4. Percentage of yearly operation that occurs during the following quarters:** (total must equal 100%) | | | | | | | | | | | | | | | | | | |
| Dec-Jan-Feb | | | May-April-May | | | | June-July-Aug | | | | | | | Sept-Oct-Nov | | | | |
|  | | |  | | | |  | | | | | | |  | | | | |
| **5. Incinerator data:** | | | | | | | | | | | | | | | | | | |
| Incinerator manufacturer | | | | Model number | | | | | | | | Date constructed or last modified | | | | | | |
| Type of waste burned  (Use code from table on page 3 of this form) | | | | | | Charge rate (lbs/hr) | | | | | | | | | | Tons burned per year | | |
| Average | | | | Design | | | | | |
|  | | | |  | | | | | |  | | |
| Incinerator type:  Single chamber  Multi-chamber  Refractory lined  Auxiliary burners | | | | | | | | | | | | | | | | | | |
| Burner capacity (BTU/hr) | | | | | | Air flow (ft3/min) | | | | | | | | Does unit have controlled or starved air?  Yes  No | | | | |
| Primary | | Secondary/Afterburner | | | | Overfire | | | Underfire | | | | |
| **6. Auxiliary fuel data:** | | | | | | | | | | | | | | | | | | |
| Primary fuel type (specify) | | | | | | | Standby fuel type (specify) | | | | | | | | | | | |
| Fuels Used | Annual Usage | | | | Hour Usage | | | | | | % Sulfur | | % Ash | | | | BTU Value of Fuel | |
| Design | | | Average | | |
| Natural Gas | 106­­ ft3 | | | | ft3 | | | ft3 | | |  | |  | | | | 1,020 BTU/ft3­ | |
| #2 Fuel Oil | 103 gal | | | | gal | | | gal | | |  | |  | | | |  | |
| Liquid Propane | 103 gal | | | | gal | | | gal | | |  | |  | | | | 91,500 BTU/gal | |
| Other (Specify type & units) |  | | | |  | | |  | | |  | |  | | | |  | |
| Other (Specify type & units) |  | | | |  | | |  | | |  | |  | | | |  | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **7. Exhaust stack data:** | | | | | | | | | | | | | | | | | |
| Height above grade (ft) | | | | Diameter (ft) | | | | Temperature (°F) | | | | Distance to nearest property line (ft) | | | | | |
| Data at exit conditions: | Flow (actual ft3/min) | | | | | | Velocity (ft/sec) | | | | Moisture (grains/ft3) | | | | Moisture (percent) | | |
| Data at standard conditions: | Flow (dry standard ft3/min) | | | | | | Velocity (ft/sec) | | | | Moisture (grains/ft3) | | | | Moisture (percent) | | |
| **8. Air contaminants:** | | | | | | | | | | | | | | | | | |
| Emission estimates for each air contaminant emitted from this point should be based on stack sampling results or engineering calculations. Calculations should be attached on a separate sheet. | | | | | | | | | | | | | | | | | |
| Air Contaminant | | | Actual Emissions | | | | | | | | | | Emission Estimate Method Code\* | Control Devices\* | | Control Efficiency (%) | |
| Emissions (lbs/hr) | | | Concentration | | | | Average Emissions (tons/yr) | | |
| Average | | Maximum |
| Particulate matter\*\* | | |  | |  | gr/dscf† | | | |  | | |  |  | |  | |
| Sulfur dioxide (SO2) | | |  | |  | PPM†† | | | |  | | |  |  | |  | |
| Carbon monoxide (CO) | | |  | |  | PPM†† | | | |  | | |  |  | |  | |
| Volatile organic compounds (VOC) | | |  | |  | PPM†† | | | |  | | |  |  | |  | |
| Nitrogen oxides (NOX) | | |  | |  | PPM†† | | | |  | | |  |  | |  | |
| Lead (Pb) | | |  | |  |  | | | |  | | |  |  | |  | |
| Hydrogen fluoride (HF) | | |  | |  |  | | | |  | | |  |  | |  | |
| Hydrogen chloride (HCl) | | |  | |  |  | | | |  | | |  |  | |  | |
| Greenhouse gases (CO2 equivalents) | | |  | |  |  | | | |  | | |  |  | |  | |
| Hazardous air pollutant (specify) | | |  | |  |  | | | |  | | |  |  | |  | |
| Hazardous air pollutant (specify) | | |  | |  |  | | | |  | | |  |  | |  | |
| Other (specify) | | |  | |  |  | | | |  | | |  |  | |  | |
| Other (specify) | | |  | |  |  | | | |  | | |  |  | |  | |
| \* Refer to APC-1 Form: General Information for tables of estimation method and control device codes  \*\* A valid stack test of particulate matter emissions from the manufacturer shall be included with the application  † Exit gas particulate matter concentration units: grains/dry standard ft3 (70°F)  †† Exit gas concentration units: Parts per million by volume (dry basis) | | | | | | | | | | | | | | | | | |
| **9. Compliance demonstration and monitoring/recording devices:** | | | | | | | | | | | | | | | | | |
| Description of proposed monitoring and recordkeeping to assure compliance with emission limits. Include operating parameters of source and/or control device being monitored (e.g., opacity, temperature, etc.). | | | | | | | | | | | | | | | | | |
| Check all attached monitoring and recording devices: | | No monitor  Opacity monitor  Temperature gauge  Electronic data logger  Strip chart  Other (describe): | | | | | | | | | | | | | | | |
| **10. Comments** | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | |
| **11. Based upon information and belief formed after a reasonable inquiry, I certify that the information contained in this application is accurate and true to the best of my knowledge.** | | | | | | | | | | | | | | | | |
| Signature of responsible official | | | | | | | | | Date of application | | | | | | | |

**Table of Codes for “Type of Waste Burned”**

|  |  |
| --- | --- |
| **Principle Components, Usual Sources and Typical Moisture Content** | |
| Highly combustible waste, paper, wood, and cardboard cartons (including up to 10% treated papers, plastic, or rubber scraps) from commercial and industrial sources, 10% moisture | 0 |
| Combustible waste, paper, cartons, rags, wood scraps, and combustible floor sweepings from domestic, commercial, and industrial sources, 25% moisture | 1 |
| Rubbish and garbage from residential sources, 50% moisture | 2 |
| Predominately animal and vegetable waste from restaurants, hotels, markets, institutional, commercial, and club sources, 70% moisture | 3 |
| Carcasses, organs, and solid organic wastes from hospitals, laboratories, slaughterhouses, animal pounds, and similar sources, 85% moisture | 4 |
| Gaseous and semi-liquid industrial process waste, variable moisture (describe in detail under comments) | 5 |
| Solid and semi-solid industrial process waste, variable moisture (describe in detail under comments) | 6 |