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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Please fill out a form for each oven** | | | | | | | | | | | | | | |
| **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. Describe articles processed:** | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | |
| **4. Operating schedule:** | | | | | | | | | | | | | | |
| Hours per day | | Days per week | | | | Weeks per year | | | | Days per year | | | | |
|  | |  | | | |  | | | |  | | | | |
| **5. Percentage of yearly operation that occurs during the following quarters:** (total must equal 100%) | | | | | | | | | | | | | | |
| Dec-Jan-Feb | | Mar-April-May | | | | June-July-Aug | | | | Sept-Oct-Nov | | | | |
|  | |  | | | |  | | | |  | | | | |
| **6. Oven data:** | | | | | | | | | | | | | | |
| Oven manufacturer | | | Model number | | | | | | Date constructed or last modified | | | | | |
| Method of heating:  Direct fire  Indirect fire  Electric  Steam  Other (describe): | | | | | | | | | | | | | | |
| Type of operation:  Continuous  Batch | Normal batch time | | | Average batches per day | | | Maximum batches per day | | | | | Burner rated input capacity (106 BTU/hr) | | |
| What other equipment is used in conjunction with this oven? | | | | | | | | | | | | | | |
| **7. Process material inputs and in-process solid fuels:** (if the oven is part of a paint, varnish or lacquer operation or part of a process source for which an APC-2 Form: Process or Fuel Burning Source has been completed, this item may be left blank) | | | | | | | | | | | | | | |
| Process material input or in-process solid fuel | | | | | Diagram reference\* | | | Input rates (lbs/hour) | | | | | | |
| Average | | | | | Maximum | |
| A. | | | | |  | | |  | | | | |  | |
| B. | | | | |  | | |  | | | | |  | |
| C. | | | | |  | | |  | | | | |  | |
| D. | | | | |  | | |  | | | | |  | |
| E. | | | | |  | | |  | | | | |  | |
| F. | | | | |  | | |  | | | | |  | |
| Totals | | | | | | | |  | | | | |  | |
| **\*** A simple process flow diagram must be attached | | | | | | | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **8. Exhaust stack data:** (complete for each vent/stack and attach additional sheets if necessary) | | | | | | | | | | | | | | | | | | | | | | |
| Height above grade (ft) | | | | Diameter (ft) | | | | | Temperature (oF) | | | | | Direction of Exit (up, down, or horizontal) | | | | | | Distance to nearest property line (ft) | | |
| Data at exit conditions: | Flow (actual ft3/min) | | | | | | Velocity (ft/sec) | | | | | | Moisture (grains/ft3­­) | | | | | | Moisture (percent) | | | |
| Emission units that share this stack: | | | | | | | | | | | | | | | | | | | | | | |
| **9. Oven fuel data**: (complete for direct and indirect heated ovens, leave blank for electric or steam heated ovens) | | | | | | | | | | | | | | | | | | | | | | |
| 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) | |  | | | |  | | | | |  | | | |  | |  | | | |  | |
| **10. Air contaminants:** (if the oven is part of a paint, varnish or lacquer operation, this item should be left blank) | | | | | | | | | | | | | | | | | | | | | | |
| 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 Contaminants | | | 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) | | |  | |  | | |  | | | |  | | | |  | |  | | | |  |
| **(Continued on next page)** | | | | | | | | | | | | | | | | | | | | | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **(Continued from last page)** | | | | | | | | | | |
| Air Contaminants | | Actual Emissions | | | | | | Emission Estimate Method Code\*\* | Control Devices\*\* | Control Efficiency (%) |
| Emissions (lbs/hr) | | Concentration | | Average Emissions (tons/yr) | |
| Average | Maximum |
| 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 | | | | | | | | | | |
| †Exit gas particulate matter concentration units: grains/dry standard ft3 (70°F) | | | | | | | | | | |
| **11. 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 (temperature, pressure drop, etc.). | | | | | | | | | | |
| Check all attached monitoring and recording devices: | No monitor  Pressure drop gauge  Temperature gauge  Electronic data logger  Strip chart  Other (describe): | | | | | | | | | |
| **12. Comments** | | | | | | | | | | |
|  | | | | | | | | | | |
| **13. 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 | | | | | |