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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Please fill out a form for each stack or emission source** | | | | | | | | | | | | | | | | | | | | |
| **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. Brief emission point description:** (attach sketch if appropriate) | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | |
| **4. Stack or emission point data:** | | | | | | | | | | | | | | | | | | | | |
| Height above grade (ft) | | | | Diameter (ft) | | Temperature (°F) | | | | % time over 125 °F | | | | | Direction of exit (up, down, or horizontal) | | | | | |
| Emission point location: | Latitude | | | | | | Longitude | | | | | | 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) | | |
| **5. 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 | | |  | |  | | | \*\* | | |  | | |  | | |  | | |  |
| Sulfur dioxide (SO2) | | |  | |  | | | \*\*\* | | |  | | |  | | |  | | |  |
| 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 Contaminant | | Actual Emissions | | | | | Emission Estimate Method Code\* | Control Devices\* | Control Efficiency (%) |
| Emissions (lbs/hr) | | Concentration | | Average Emissions (tons/yr) |
| Average | Maximum |
| Hazardous air pollutant (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: Process Emission Sources – grains/dry standard ft3 (70°F) and Fuel Burning Sources - lbs/Million BTU heat input  \*\*\*Exit gas sulfur dioxide concentration units: Process Emission Sources – PPM by volume (dry basis) and Fuel Burning Sources - lbs/Million BTU heat input | | | | | | | | | |
| **6. 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, flow rate, temperature, pressure drop, etc.). | | | | | | | | | |
| Check all attached monitoring and recording devices: | No monitor  Opacity monitor  SO2 monitor  NOX monitor  Strip chart  Pressure drop gauge  Temperature gauge  Electronic data logger  Other (describe): | | | | | | | | |
| **7. Comments** | | | | | | | | | |
|  | | | | | | | | | |
| **8. 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 | | | | |