|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Please fill out a form for each asphalt plant** | | | | | | | | | | | | | | | | | |
| **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 | | | Mar-April-May | | | | June-July-Aug | | | | | | Sept-Oct-Nov | | | | |
|  | | |  | | | |  | | | | | |  | | | | |
| **5. Asphalt plant diagram:** | | | | | | | | | | | | | | | | | |
| The applicant must attach a diagram of the asphalt plant showing material stockpile areas, bins, feeders, conveyors, rotary dryers, elevators, screens, hot bins, mixers, silos, product discharges, control equipment, and pertinent process equipment. | | | | | | | | | | | | | | | | | |
| **6. Dryer data:** | | | | | | | | | | | | | | | | | |
| Dryer manufacturer | | | | Dryer model number | | | | | | Dryer date manufacturer | | | | | | | |
| Type of Process  Batch  Continuous | | Normal batch time | | | Normal batches per day | | | Maximum batches per day | | | Operating rate (tons/hr) | | | | | | |
| Average | | | | | Maximum | |
|  | | | | |  | |
| **7. 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 | | |  | | |  | | |  | | |
| #4 Fuel Oil | 103 gal | | | gal | | gal | | |  | | |  | | |  | | |
| #5 Fuel Oil | 103 gal | | | gal | | gal | | |  | | |  | | |  | | |
| #6 Fuel Oil | 103 gal | | | gal | | gal | | |  | | |  | | |  | | |
| Liquid Propane | 103 gal | | | gal | | gal | | |  | | |  | | | 91,500 BTU/gal | | |
| Other (Specify type & units) |  | | |  | |  | | |  | | |  | | |  | | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **8. Exhaust stack data:** | | | | | | | | | | | | | | | |
| Height above grade (ft) | | | | Diameter (ft) | | | | Temperature (oF) | | | 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) | |
| **9. 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 | | |  | | |  |  | |  |
| Hydrogen fluoride (HF) | | |  | |  |  | | |  | | |  |  | |  |
| Hydrogen chloride (HCl) | | |  | |  |  | | |  | | |  |  | |  |
| Greenhouse gases (CO2 equivalents) | | |  | |  |  | | |  | | |  |  | |  |
| 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) | | | | | | | | | | | | | | | |
| **10.** **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 (opacity, flow rate, pressure drop, etc.). | | | | | | | | | | | | | | | |
| Check all attached monitoring and recording devices: | | No monitor  Opacity monitor  Pressure drop gauge  Electronic data logger  Strip chart  Other (describe): | | | | | | | | | | | | | |

|  |  |
| --- | --- |
| **11. Comments** | |
|  | |
| **12. 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 |