**Texas Commission on Environmental Quality**

**Table 22**

**Hot Mix Asphalt Plants**

**(Page 1)**

*Note: Tables, checklists and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality (TCEQ) Air Permits Division (APD) Web site at* [*www.tceq.texas.gov/permitting/air/nav/forms\_index.html*](https://www.tceq.texas.gov/permitting/air/nav/forms_index.html).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Company Name: | | | | | | |
| Plant ID or Name: | | | | | | |
| **Plant Data:** | | | | | | |
| Manufacturer: | | | Year Manufactured: | | | |
| Model No.: | | | Serial No.: | | | |
| **Basic Plant Design:** | | | | | | |
| Drum Mix | | Pugmill Batch Mix | | Pugmill/Continuous Mix | | |
| Check all the features that apply to the plant | | | | | | |
| Parallel Flow | | Counter Flow | | Drum within a Drum | | |
| Precombustion Chamber | | | Recycle Collar | | | |
| What type of abatement device is used at the plant? | | | | | | |
| Fabric Filter (If checked, attach a completed Table 11 entitled, “Fabric Filters.”) | | | | | | |
| Wet Scrubber (If checked, attach a completed Table 13 entitled, “Scrubber or Wet Washers.”) | | | | | | |
| High Efficiency Cyclone (If checked, attach a completed Table 10 entitled, “Cyclone Separators.”) | | | | | | |
| Other: | | | | | | |
| Check the equipment that is vented to the abatement device: | | | | | | |
|  Drum/Dryer | |  Hot Elevators | |  Weigh Hopper /Mixer | | |
|  Shaker Screens | |  Hot Aggregate Bins | |  Fines Silo | |  Lime Silo |
|  Other: | | | | | | |
| **Maximum Operations:** | | | | | | |
| **hours/day** | **days/week** | | **weeks/year** | | **hours/year** | |
|  |  | |  | |  | |
| Does this facility operate at night? | | | | |  YES  NO | |

**Texas Commission on Environmental Quality**

**Table 22**

**Hot Mix Asphalt Plants**

**(Page 2)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Mix Information Mix Type** | **Maximum % of AC in Mix** | | **Average % of AC in Mix** | **Max ton/hr Production** | **Max ton/yr Production** | **Max Mix Temperature (o F)** | | **Asphalt Volatility** |
| Performance Grade: |  | |  |  |  |  | |  |
| Performance Grade: |  | |  |  |  |  | |  |
| Other: |  | |  |  |  |  | |  |
| Other: |  | |  |  |  |  | |  |
| Rapid Cure: |  | |  |  |  |  | |  |
| Medium Cure: |  | |  |  |  |  | |  |
| Slow Cure: |  | |  |  |  |  | |  |
| Emulsions: |  | |  |  |  |  | |  |
| Asphalt Rubber: |  | |  |  |  |  | |  |
| Other: |  | |  |  |  |  | |  |
| Is there cold mix stored on the site? | | | | |  YES  NO | | | |
| If “YES,” complete the following questions. | | | | | | | | |
| How much: | | | | | | | | |
| How long is it stored: | | | | | | | | |
| How is it stored: | | | | | | | | |
| Aggregate Stockpile Area: | | acres (washed) | | | acres (unwashed) | | | |
| What is the aggregate material moisture content? | | | | | % | | | |
| Will the stockpiles be sprinkled with water? | | | | |  YES  NO | | | |
| **Additives:** | | | | | | | | |
| Check all that are used and attach a Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS): | | | | | | | | |
|  Hydrated Lime (Dry) *(If checked attach a complete Table 11)* | | | | | Maximum % | | per ton | |
|  Hydrated Lime (Slurry) *(If checked attach a completed Table 11)* | | | | | Maximum % | | per ton | |
|  Liquid Amine Anti-strip Agents | | | | | Maximum % | | per ton | |
|  Styrene Butadiene Styrene (SBS) | | | | | Maximum % | | per ton | |

**Texas Commission on Environmental Quality**

**Table 22**

**Hot Mix Asphalt Plants**

**(Page 3)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Additives:** (*continued)* | | | | | | | | |
| Check all that are used and attach a Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS): | | | | | | | | |
|  Styrene Butadiene Rubberized  (SBR) Latex | | | Maximum % | | | per ton | | |
|  Recycled Rubber | | | Maximum % | | | per ton | | |
|  Recycled Asphalt Products  (RAP) | | | Maximum % | | | per ton | | |
|  Other: | | | Maximum % | | | per ton | | |
|  Other: | | | Maximum % | | | per ton | | |
| **Fuel Information:** | | | | | | | | |
| Provide information on all the fuels used. | | | | | | | | |
| *Note: Provide an analysis of the fuel that lists and quantifies all constituents of the fuel.* | | | | | | | | |
|  | |  | | **Consumption** | | | | |
| **Type of Fuel** | | **Sulfur Content** | | **CFM** | **GPM** | | **CF/YR** | **GAL/YR** |
| Natural Gas | | pipeline sweet | |  |  | |  |  |
| Liquid Petroleum Gas | | % by weight | |  |  | |  |  |
| No. 2 Fuel Oil (First Run) | | % by weight | |  |  | |  |  |
| No. |  |  | |  |  | |  |  |
| Fuel Oil  (First Run) | | % by weight | |  |  | |  |  |
| Waste-Blended Fuel Oil | | % by weight | |  |  | |  |  |

**Texas Commission on Environmental Quality**

**Table 22**

**Hot Mix Asphalt Plants**

**(Page 4)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Plant Traffic and Roads:** | | | | | | | | | | | |
| Please provide the following information for all vehicles which travel on the plant property. | | | | | | | | | | | |
| **Vehicle Type** | **Speed** | **Weight (tons)** | | | | **Number of Wheels** | **Distance Traveled per Round Trip (miles)** | | | **Estimated Number of Trips** | |
|  |  | **Empty** | **Full** | | **Average** |  | **Paved** | | **Unpaved** | **Per Week** | **Per Year** |
| Raw Aggregate |  |  |  | |  |  |  | |  |  |  |
| Front-end Loaders |  |  |  | |  |  |  | |  |  |  |
| Liquid Asphalt |  |  |  | |  |  |  | |  |  |  |
| Fuel Tanker |  |  |  | |  |  |  | |  |  |  |
| Additives |  |  |  | |  |  |  | |  |  |  |
| Hot Mix Trucks |  |  |  | |  |  |  | |  |  |  |
| Other |  |  |  | |  |  |  | |  |  |  |
| Is there a RAP crusher or lump breaker on site? | | | | | | YES  NO | | | | | |
| If “YES,” answer the following. | | | | | | | | | | | |
| Capacity: ton/hr | | | | Horsepower Rating: | | | | Year Manufactured: | | | |
| **Drum/Dryer Stack Parameters:** | | | | | | | | | | | |
| Distance from the nearest property line: ft. | | | | | | Stack Flow Rate: acfm | | | | | |
| Physical Stack Height: ft. | | | | | | Stack Exit Temperature: ° F | | | | | |
| Internal Stack Diameter (if circular): ft. | | | | | | Internal Stack Dimensions: ft. x ft.  (if noncircular) | | | | | |

**Texas Commission on Environmental Quality**

**Table 22**

**Hot Mix Asphalt Plants**

**(Page 5)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Oil Heater Information:** | | | | | |
| Fuel Type: | | Stack Height: | | Stack Diameter: | |
| Consumption: | | | | | |
| CFM | GPM | | CF/YR | | GAL/YR |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Silo Information** | **Capacity (tons)** | | | | **Elevation (feet) (Grade to Top)** |
| Hot Mix |  | | | |  |
| Hot Mix |  | | | |  |
| Hot Mix |  | | | |  |
| Surge Bin |  | | | |  |
| Fines |  | | | |  |
| Lime |  | | | |  |
| What is the number of truck loadouts? | | | | | |
| What is the elevation of loadouts from grade? feet | | | | | |
| What is the temperature of the mix loading into the silo? °F | | | | | |
| What is the temperature of the mix loading into the truck? °F | | | | | |
| **Storage Tank Information:** | | | | | |
| **Content** | | **Size (Gallons)** | | **Number of Turnovers/Year** | |
| Liquid AC | |  | |  | |
| Liquid AC | |  | |  | |
| Liquid AC | |  | |  | |
| Diesel | |  | |  | |
| Anti-strip | |  | |  | |
|  | |  | |  | |
| If this is a portable plant, is there a generator or engine on site? | | | | YES  NO | |
| If “YES,” attach a completed Table 29 entitled, “Reciprocating Engines,” and answer the following questions. | | | | | |
| Make and Model: | | | | | |
| Fuel Type: | | | Sulfur Content: | | |
| Distance to nearest property line: | | | Annual Hours of Operation: | | |
| Maximum Rated Horsepower: | | | NOx Rating (specify units): | | |