**Texas Commission on Environmental Quality**

**Table 22**

**Hot Mix Asphalt Plants**

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*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 |

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|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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  |

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| **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 |  |  |  |  |

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| **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) |

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| --- |
| **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): |