| **FORM 5** | | | | **MDEQ** | | | | | | | | **MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY APPLICATION FOR AIR POLLUTION CONTROL PERMIT** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| **Asphalt Plants** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **Section K** | | | | | | | | | | | |
| **1.** | **Emission Point Description** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | A. | Emission Point Designation (Ref. No.): | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
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|  | B. | Process Description: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
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|  | C. | Manufacturer: | | | | | | |  | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
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|  | D. | Make: | | | |  | | | | | | | | | | | | | | | | | | E. | | | | | | Model: | | | | | | | |  | | | | | | | | | | | | | | | | | | | | |  | |
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|  | F. | Status: | | | | |  | | Operating | | | | | | | | | | | |  | | | Proposed | | | | | | | | | | | | | |  | | | Under Construction | | | | | | | | | | | | | | | | | | | |
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|  | G. | Operating Schedule (Actual): | | | | | | | | | | | | | | | |  | | | | | | | hr/day | | | | | | | | |  | | | | | days/week | | | | | | | | | | |  | | | | | weeks/yr | | | | | |
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|  | H. | Date of construction, reconstruction, or most recent modification (for existing sources) or date of anticipated construction: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | |  | |
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| **2.** | **Asphalt Plant Data** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | A. | Type of Plant: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  |  |  | Batch | | | | | | |  | Continuous | | | | | | | | | | | | | | | |  | | | | Drum | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
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|  | B. | Production: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  |  | 1. | Maximum Dryer Capacity: | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | tons/hr | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 2. | Normal Maximum Rate: | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | tons/hr | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 3. | Annual Rate: | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | tons/yr | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | C. | Dryer: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 1. | Length: | | | | | |  | | | | | | feet | | | | | | | | | | | | | | 2. | | | | Diameter: | | | | | | | | |  | | | | | | | | | | feet | | | | | | | | |
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|  | D. | Rock Crusher or Recycled Asphalt Pavement (RAP) Crusher | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | *List the capacity and date of construction for each crusher, screener, & conveyor:* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | Type of Device | | | | | | | | | | | | Date of Construction | | | | | | | | | | | | | | | | | | | | | Maximum Annual Capacity (tons/yr) | | | | | | | | | | | | | | | | | | | | | | | | |  |
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| **3.** | **Burner Data** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | A. | Manufacturer: | | | | | | | |  | | | | | | | | | | | | | | | | | B. | | | | | | Make: | | | | | | |  | | | | | | | | | | | | | | | | |  | | | |
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|  | C. | Model: | | | |  | | | | | | | | | | D. | | | | | | | Maximum Rated Capacity: | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | MMBtu/hr | | | | | | |
|  |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | E. | Primary Fuel: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 1. | Type: | | | | |  | | Gas | | | | | | | | | |  | | | | Oil | | | | | | | | |  | | | | Other: | | | | | | |  | | | | | | | | | | | | | | | |  |
|  |  | 2. | Consumption: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | a. | | Gas: | | | | | | | | | | | |  | | | | | | | | | | | | ft3/hr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | b. | | Oil: | | | | | | | | | | | |  | | | | | | | | | | | | gal/hr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | c. | | Other (specify units): | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 3. | Heat Value: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | a. | | Gas: | | | | | | | | | | | |  | | | | | | | | | | | | BTU/ft3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | b. | | Oil: | | | | | | | | | | | |  | | | | | | | | | | | | BTU/gal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | c. | | Other (specify units): | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 4. | Sulfur Content: | | | | | | | | | | | | | |  | | | | | | | | | | | | % sulfur | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 5. | Ash Content: | | | | | | | | | | | | | |  | | | | | | | | | | | | % ash | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 6. | Density of Fuel Oil: | | | | | | | | | | | | | |  | | | | | | | | | | | | lb/gal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | F. | Auxiliary Fuel: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 1. | Type: | | | | |  | | Gas | | | | | | | | | |  | | | Oil | | | | | | | | | | | |  | | | Other: | | | | | | |  | | | | | | | | | | | | | | |  |
|  |  | 2. | Consumption: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | a. | | Gas: | | | | | | | | | | | | |  | | | | | | | | | | | | ft3/hr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | b. | | Oil: | | | | | | | | | | | | |  | | | | | | | | | | | | gal/hr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | c. | | Other (specify units): | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 3. | Heat Value: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | a. | | Gas: | | | | | | | | | | | | |  | | | | | | | | | | | | BTU/ft3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | b. | | Oil: | | | | | | | | | | | | |  | | | | | | | | | | | | BTU/gal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | c. | | Other (specify units): | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 4. | Sulfur Content: | | | | | | | | | | | | | | |  | | | | | | | | | | | | % sulfur | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 5. | Ash Content | | | | | | | | | | | | | | |  | | | | | | | | | | | | % ash | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | 6. | Density of Fuel Oil: | | | | | | | | | | | | | | |  | | | | | | | | | | | | lb/gal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| **4.** | **Miscellaneous Information:** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | A. | Does this asphalt plant have air pollution control equipment? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | Yes | | | | | | | |  | | | No | | |
|  |  | *If yes, complete the applicable Air Pollution Control data sheet in Section L.* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | B. | Are the shaker screens hooded and vented to the emission control system? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | Yes | | |  | | | No | |
|  |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | C. | Are the hot elevator and bins vented to the air emission control system? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | Yes | | | | |  | | | No | |
|  |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | D. | If the facility operates a lime silo, does it vent to the main baghouse or have its own control | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | device? | | | | | | | | | | | | | | | | |  | | | | Yes | | | | | | | | |  | | | No | | | | | | |  | | | | | Not applicable | | | | | | | | | | | | | |
|  | E. | Are in plant roads: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | Water-sprinkled | | | | | | | |  | | Oiled | | | | | | | | | |  | | | Paved | | | | | | | | |  | | | Other: | | | | | | |  | | | | | | | | | | | | | | |  |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |