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| **FORM 5** | | | **MDEQ** | | | | | | | | | | **MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY APPLICATION FOR AIR POLLUTION CONTROL PERMIT** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Fuel Burning Equipment – External Combustion Sources** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **Section C** | | | | | | | | | |
| **1.** | **Emission Point Description** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | A. | Emission Point Designation (Ref. No.): | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |  | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | B. | Equipment Description: | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | C. | Manufacturer: | | | |  | | | | | | | | | | | | | | D. | | | Model Yr. and No.: | | | | | | | | | | |  | | | | | | | | | | | |  | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | E. | Maximum Heat Input (higher heating value): | | | | | | | | |  | | | | | | MMBtu/hr | | | | | | | | | | F. | | | Nominal Heat  Input Capacity: | | | | | | |  | | | | MMBtu/hr | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | G. | For units subject to NSPS Db, is the heat release rate > 70,000 Btu/hr-ft3? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | Yes | | |  | No | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | H. | Use: | |  | | | Electrical Generation | | | | | | | | | | | | | | |  | | | Steam | | | | | | | |  | | | Process Heat | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | Space Heat | | | | | |  | | | | | Standby/Emergency | | | | | | | | | | |  | | | Other (describe): | | | | | | | |  | | | | | | | | | | |  |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | I. | Heat Mechanism: | | | | | | | |  | | | | | Direct | | | | | | |  | | | | Indirect | | | | | | | | | | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | J. | Burner Type (e.g., pulverized coal, forced draft, atomizing oil, low-NOx, etc.): | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | K. | Additional Design Controls (e.g., FGR, etc.): | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | L. | Status: | | |  | | | Operating | | | | | | | | | |  | | Proposed | | | | | | | | |  | | | Under Construction | | | | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | M. | Date of construction, reconstruction, or most recent modification (for existing sources) or date of anticipated construction: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | |  | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **2.** | **Fuel Type** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | Complete the following table, identifying each type of fuel and the amount used. Specify the units for heat content, hourly usage, and yearly usage. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | FUEL TYPE1 | | | HEAT CONTENT | | | | | | | | | | | | % SULFUR | | | | | | | | % ASH | | | | | | | MAXIMUM HOURLY USAGE | | | | | | | | MAXIMUM YEARLY USAGE | | | | | |  | | |
|  |  | | |  | | | | | | | | | | | |  | | | | | | | |  | | | | | | |  | | | | | | | |  | | | | | |  | | |
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|  | Please list any fuel components that are hazardous air pollutants and the percentage in the fuel: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
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|  | 1 Boilers burning solid waste may be considered “solid waste incinerators” for purposes of complying with federal regulations. However, you are only required to complete Section C, not I, of this application as long as the wastes combusted are indicated in the table above. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
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