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| **FORM 5** | | | | **MDEQ** | | | | | | | | | | | | | **MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY APPLICATION FOR AIR POLLUTION CONTROL PERMIT** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Baghouses/Fabric Filters** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | **Section L1** | | | | | | | | | | | | | | | | | | | | | | |
| **1.** | **Baghouse Description** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | A. | Emission Point Designation (Ref. No.): | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | |
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|  | B. | Equipment Description (include the process(es) that the baghouse controls emissions from): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
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|  | C. | Manufacturer: | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | D. | | | | | | | | | | | Model: | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | |  | | |
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|  | E. | Status: | | |  | | | | Operating | | | | | | | | | | |  | | | | Proposed | | | | | | | | | | | | | | | |  | | | | | | | Under Construction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| **2.** | **Baghouse Data** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | A. | Cloth Area: | | | |  | | | | | | | | | | | | | | | ft2 | | | | | B. | | | | | | | | | | | Air to cloth ratio: | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | acfm/ft2 | | | | | | | | | | | | | | |
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|  | C. | Type of bag: | | | |  | | | | | | Woven | | | | | | | | | |  | | | Felted | | | | | | | | | | | | | |  | | | | | | | | Membrane | | | | | | | |  | | | Other: | | | | | | |  | | | | | | | | | | | | | | |  | |
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|  | D. | Filter Material: | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | E. | | | | | | | | | | | Max. Filter Operating Temp.: | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | oF | | | | | | |
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|  | F. | No. of compartments: | | | | | | | | | | | |  | | | | | | | |  | | | | | | | | | | | | G. | | | | | | | | | No. of bags per compartment: | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | |  | | | |
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|  | H. | Bag length: | | | |  | | | | | | | | | | | | | | | | ft | | | | | | | | | | I. | | | | | | | | | | | Bag diameter: | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | ft | | | | | | |
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|  | J. | Pressure drop: | | | | |  | | | | | | | | | | | | in. H2O | | | | | | | | | | | | | | | K. | | | | | | | | | Inlet air flow rate: | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | acfm | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | L. | Air temperature: | | | | | | | | |  | | | | | | | | | | | oF | | | | | | | | | | M. | | | | | | | | | | | Efficiency (PM): | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | % | | | | | | |
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|  | N. | Is a pressure measurement device installed? | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | Yes | | | | | |  | | | | | | No | | | Warning alarm? | | | | | | | | | | | | |  | | | | | | Yes | | | |  | | | No | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | O. | Dirty air is on…: | | | | | | | | | | |  | | | Inside of bag | | | | | | | | | | | | | | | | | | |  | | | | | Outside of bag | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  | P. | Time between bag cleaning (specify units): | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | |  | | | | |  | | | Automatic | | | | | | | |  | | | | Timed | | | | | | | | | |  | | | Manual | | | | | | | |
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|  | Q. | Method of cleaning: | | | | | | | | | | | | |  | | | Shaking | | | | | | | | | | | |  | | | | | | | | Reverse Air | | | | | | | | | | | |  | | | | | | Pulse Jet | | | | | | | | | | | | | | | | | | | | | | | | | |
|  |  |  | | | | | | | | | | | | |  | | | Other: | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | |
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|  | R. | Are extra bags readily available? | | | | | | | | | | | | | | | | | | | | |  | | | | Yes | | | | | | | | | | |  | | | | | | | No | | | | | If yes, how many? | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | |  |
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|  | S. | | Method for determining when to replace bags: | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | Alarm | | | | | | | | | |  | | | | Internal Inspection | | | | | | | | | |  | | | | Visible Emission | | | | | | | | | | | | | | | |
|  |  | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | Other: | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | |
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|  | T. | How is the collected dust stored, handled, and disposed of? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |
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