| **FORM 5** | | | | | **MDEQ** | | | | | | **MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY APPLICATION FOR AIR POLLUTION CONTROL PERMIT** | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Predictive Emission Monitoring System (PEMS) or Parametric Monitoring** | | | | | | | | | | | | | | | | | | | **Section M4** | | | | |
| **1.** | **Applicable Emission Point Description** | | | | | | | | | | | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | |
|  | A. | | Emission Point Designation (Ref. No.): | | | | | | | | | | |  | | | | | | | |  | |
|  |  | | | | | | | | | | | | | | | | | | | | | | |
|  | B. | | Emission Point Description: | | | | | | | | | | | | | | | | | | | |  |
|  |  | |  |
|  |  | | | | | | | | | | | | | | | | | | | | | | |
|  | C. | | For what emission limit or standard does the monitoring demonstrate compliance? | | | | | | | | | | | | | | | | | | | |  |
|  |  | |  | | | | | | | | | | | | | | | | | | | |  |
|  |  | |  | | | | | | | | | | | | | | | | | | | |  |
|  | D. | | Is there an applicable underlying requirement for predictive/parametric monitoring? | | | | | | | | | | | | | | | | | | | |  |
|  |  | |  | Yes | | |  | | No | | | | | | | | | | | | | | |
|  |  | |  | | | | | | | | | | | | | | | | | | | | |
|  |  | | If yes, what is that requirement (e.g., MACT Subpart MM, Permit to Construct issued…, etc.)? | | | | | | | | | | | | | | | | | | | |  |
|  |  | |  | | | | | | | | | | | | | | | | | | | |  |
|  |  | | | | | | | | | | | | | | | | | | | | | | |
| **2.** | **PEMS or Parametric Monitoring System Information** | | | | | | | | | | | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | |
|  | A. | Parameter(s) to be monitored (e.g., temperature, O2, pressure drop, visible emissions, etc.): | | | | | | | | | | | | | | | | | | | | |  |
|  |  |  | | | | | | | | | | | | | | | | | | | | |  |
|  |  |  |
|  |  | | | | | | | | | | | | | | | | | | | | | | |
|  | B. | Type of monitor(s): | | | | | | | |  | | | | | | | | | | | | |  |
|  |  |  | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | | | | | | | | | | | | | | | | | | | | | |
|  | C. | Span value for each monitor (specify units of measurement): | | | | | | | | | | | | | | | |  | | | | |  |
|  |  |  | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | | | | | | | | | | | | | | | | | | | | | |
|  | D. | Frequency of monitoring: | | | | | | | | | |  | Continuously | | |  | Hourly | | |  | Daily | | |
|  |  | Other: | | | |  | | | | | | | |  | | | | | | | | | |
|  |  | | | | | | | | | | | | | | | | | | | | | | |
|  | E. | Averaging time (e.g., 3-hr average, determined hourly): | | | | | | | | | | | | |  | | | | | | | |  |
|  |  | | | | | | | | | | | | | | | | | | | | | | |
|  | F. | Parameter value(s) or range constituting an excursion, or the specific correlation/equation used to reduce data to the applicable emission rate or standard: | | | | | | | | | | | | | | | | | | | | |  |
|  |  |  | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | | | | | | | | | | | | | | | | | | | | | |
|  | G. | What quality assurance/calibration procedures for the monitoring system does/will the applicant | | | | | | | | | | | | | | | | | | | | |  |
|  |  | comply with? | | | | | |  | | | | | | | | | | | | | | |  |
|  |  |  | | | | | | | | | | | | | | | | | | | | |  |
|  |  | | | | | | | | | | | | | | | | | | | | | | |
|  | H. | Provide the correlation between the parameter value(s) and the emission rate of the particular pollutant. Include or attach the results of emissions testing to demonstrate this correlation or provide other relevant data or engineering assessment. | | | | | | | | | | | | | | | | | | | | |  |