**Texas Commission on Environmental Quality**

**Table 10**

**Cyclone Separators**

| Emission Point No. *(from flow diagram)*: | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Manufacturer: | | | | | Model No. *(if available)*: | | | | |
| Name of Abatement Device: | | | | | Type of Particulate Controlled: | | | | |
| **Gas Stream Characteristics** | | | | | | | | | |
| **Flow Rate (acfm)** | | | | **Gas Stream Temperature (°F)** | | **Particulate Grain Loading (grain/scf)** | | | |
| Design Maximum: | | Average Expected: | |  | | Inlet: | | Outlet: | |
| **Particulate Distribution *(by weight)*** | | | | | | | | | |
| **Micron Range** | | | **Inlet** | | | | **Outlet** | | |
| 0.0-1.0 | | | % | | | | % | | |
| 1.0-3.0 | | | % | | | | % | | |
| 3.0-5.0 | | | % | | | | % | | |
| 5-10 | | | % | | | | % | | |
| 10-20 | | | % | | | | % | | |
| over 20 | | | % | | | | % | | |
| **Cyclone Characteristics** | | | | | | | | | |
| Type of Cyclone *(check all that apply):* | | | | | | | | | |
| Wet | Dry | | Single | | Dual | | Quadruple | | Multi-clone |

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**Table 10**

**Cyclone Separators**

| **Cyclone Characteristics *(continued)*** | |
| --- | --- |
| Give Dimensions of Cyclone (inches)  *See sample sketch* | Sample sketch of cyclone with dimensions of cyclone marked. |
| B: |
| H: |
| S: |
| L: |
| Z: |
| D: |
| A: |
| J: |
| Method of removal of particulate from cyclone: |
| Pressure dropthrough cyclone (inches water): |
| **Additional Information** | |
| On separate sheets attach the following: | |
| 1. Details regarding principle of operation. | |
| 1. An assembly drawing *(front and top view)* of the abatement device dimensioned and to scale clearly showing the design, size, and shape. If the device has bypasses, safety valves, etc., include those items in the drawing and specify when such bypasses are to be used and under what conditions. | |