Missouri Department of Natural Resources

EIQ Form 2.0S Stack/Vent Information Instructions for Form 780-1435

Air Pollution Control Program fact sheet 12/2009

Emission release point is the point where the pollutants are released into the ambient air. These emissions could be fugitive or vented through a stack or vent. If your emissions are released through a stack or vent, this form is required and is used to provide the characteristics of the stack/vent for an emission unit.

Complete the Facility Name, Federal Information Processing Standard, or FIPS, County Number, Plant Number and Year of Data fields at the top.

The **Emission Unit Number, Source Classification Code, or SCC, and Segment Number** will be the same as on form 2.0, which must accompany this form.

Stack/Vent Number - This should be a number that uniquely identifies the stack or vent.

Stack/Vent Description - This description must uniquely identify the process associated with this stack/vent number.

Percent of Emissions Released - This field indicates the percentage of emissions released through this stack. The percentage of emissions released must equal 100 percent for each emission unit. Therefore, if more than one stack/vent is listed for any emission unit, you will need to show the appropriate percentage for each stack.

Stack Operating Status - This field will indicate if the stack/vent is active, inactive or dismantled.

Height (Feet) - Required Field - This is the stack's vertical distance between ground level and the point of exhaust into the ambient air.

Diameter (Feet) - Required Field - This is the inside diameter of the top of a circular stack exit. For a non circular stack exit, use an equivalent diameter calculated from the cross-sectional area. This equivalent diameter, d, equals the product of the square root of 1.128 and A. That is, d = (1.128) x A^½, where A is the cross-sectional area in square feet. The carat symbol, ^, indicates that ½ is an exponent.

Temperature (F) - Required Field - This is the exhaust temperature in degrees Fahrenheit for this stack. If the exhaust is discharged at ambient temperatures, enter 77 F.

Velocity (feet/minute) - Either Velocity or Flowrate is Required - This is the exhaust gas velocity from the stack expressed in feet per minute. This figure can be calculated from the flow rate by dividing the actual cubic feet per minute of flow rate by the cross sectional area of the stack.

Flow Rate (cubic feet/minute) - Either Velocity or Flowrate is Required - This is the exhaust gas volume from the stack at the actual operating temperature. Flow rates can be obtained from manufacturers' fan output information in some cases (rated flow rate on the equipment). If a stack exit velocity is known through a test, you may multiply the stack cross-sectional area by the velocity to obtain the flow rate.

List other points sharing this stack - Provide a list of the emission units vented through this stack.

For More Information

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